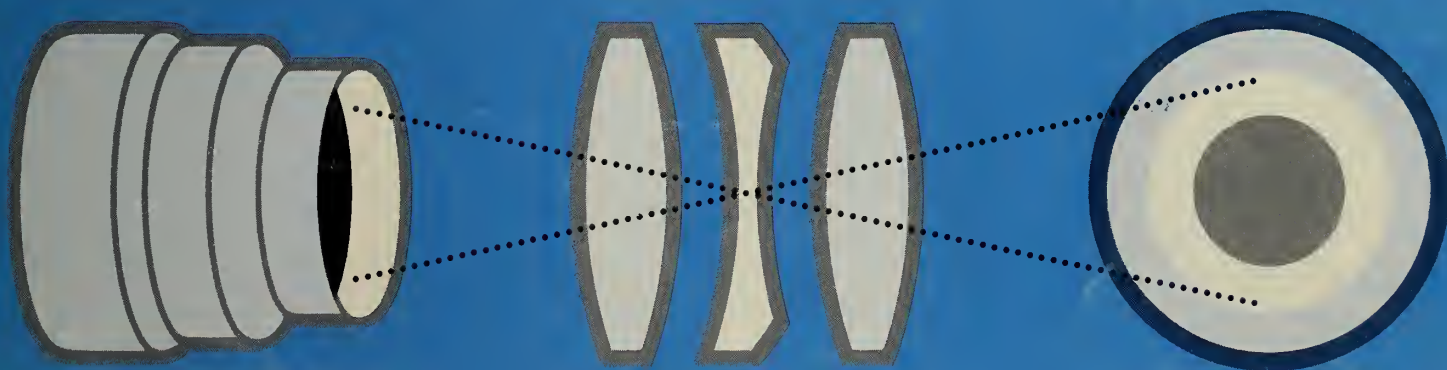


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UNIVERSITY OF ILLINOIS • 1962-1964

# CATALOG OF EDUCATIONAL FILMS

VISUAL AIDS SERVICE • DIVISION OF UNIVERSITY EXTENSION • CHAMPAIGN



**STANLEY C. ROBINSON**  
DEAN OF UNIVERSITY EXTENSION

All of us engaged in the business of education are aware of the new tools developed to help us do our job more efficiently and effectively. We are certainly aware of the increased enrollments in our classrooms and the increasing amount of subject matter we are expected to teach. I firmly believe that only as we learn to use these new educational tools expertly in the classroom will we be able to adequately meet the increasing demands placed upon us.

One of the most valuable new educational tools is the motion picture. It has been with us long enough to be properly evaluated and its worth determined. However, we must remember it is only a teaching tool and must be used well by the teacher in order to produce the results of which it is capable. To this end, I suggest that every school should own copies of the leading audio-visual texts and subscribe to one or more of the leading periodicals. In addition to this, I would urge that teachers be encouraged to take training in audio-visual utilization either in summer school or through extension courses.

We all hope that the end results of our teaching efforts are students who have gained knowledge and comprehension of the subject matter we teach. There is a much better chance of success if we use as teaching tools those with which the students are familiar.

The Visual Aids Service at the University of Illinois has one of the largest and finest collections of educational films available on a rental basis. Each year many new titles and additional prints are added so that a constantly higher percentage of requests can be filled. In order to help us give you the best service possible, I urge you to follow the directions given in the first three pages of this catalogue.



# GENERAL INFORMATION

All films are 16mm sound films unless the film title is followed by the notation (Silent).

INDEX TO VISUAL AIDS CATALOGUE lists the films most applicable within these areas.

THE DESCRIPTIVE INDEX OF FILMS is an alphabetical listing of film descriptions which, in addition to the description, gives information regarding:

1. Producer or Depositor—In ( ) immediately following title.
2. Grade suitability: p—primary; i—intermediate; j—junior high; h—high school; c—college; a—adult.
3. Running time: 11 minutes; 15 minutes; etc.
4. Black and white and/or color.
5. Rental rate for basic rental period.

Customers do not need to insure return film shipments. This catalogue is a limited production and only one catalogue will be sent to the previous users of our service free of charge, with the following exception: one additional copy will be provided free of charge for each \$100 of service. These will be sent only upon request. Additional copies may be secured for \$1.75 each.

As rapidly as possible this catalogue will be supplanted by subject area catalogues which may be secured in any quantity desired.

No films listed in this catalogue may be used for television purposes without the express consent of the producer. If desired for television use, please contact the producer and not the Visual Aids Service.

We will be glad to send you practice film free of charge.

## TO SECURE FILMS

Films may be rented from one to five days (Monday-Friday) at the basic rental rate.

### Extended Rental Rates

One School Week.....	Basic Rental
Two School Weeks.....	1.5 X Basic Rental
Three School Weeks.....	2.0 X Basic Rental
Four School Weeks.....	2.5 X Basic Rental

Bookings will be made for only a 2-day period unless otherwise requested. PLEASE SPECIFY EXACTLY THE DESIRED RENTAL PERIOD. It is too late to extend dates after a booking has been completed. We receive many requests booking films over a weekend or during the Thanksgiving and Christmas holidays. Please check your calendars *very carefully*.

Films must be returned no later than the day following last date of scheduled use.

Order by title exactly as listed in this catalogue. There are several instances of identical film titles. Please indicate the initials of producer for the title you desire. The Visual Aids Service feels that your film program will benefit if you grant us permission to substitute a title when the film you request is not available. The film substituted would be a film with similar content and grade placement and, in many instances, this will enable you to receive a newer film.

Give alternate dates if possible. Often the shift of

a few days or a week may make a film available for your use. If films are available in both black and white and color, indicate your preference.

NOTICE: We will not substitute date or title without permission.

Please give us specific mailing and billing instructions—school, audio-visual department, board of education, district number, name. It helps to include a postal zone number.

Order on our booking request form or, if on your own letterhead, please double space—it cuts the booking time in half. Forms are in the back of this catalogue or may be had upon request.

Please list films in chronological order (in order of date of use)—it also helps save booking time.

Check the confirmation forms you receive against your original order, and notify us of any discrepancies.

Please use our return labels. Although it may not seem so, it is a gummed label.

Unless otherwise requested, all shipments will be by parcel post.

## CANCELLATIONS

Request for cancellation must be received by the Visual Aids Service at least 5 days BEFORE the shipping date indicated on your confirmation slip. ONLY under this condition will a cancellation of charges be allowed.

If a film is not received in time to meet its scheduled use dates please let us know within 10 days so that you will not be invoiced for the films you could not use.

Films reserved for a “will call” and not picked up, will be returned to circulation the following day, but charges will not be cancelled.

## LATE RETURNS

Bookings are made on the premise that films will be returned promptly following their last scheduled date of use. If the Visual Aids Service is forced to cancel a booking because a film is held overtime *without permission*, the cancellation charges will be added to the bill sent to the customer holding the film.

## ACCOUNTS

You will receive a statement as soon as the last film on any given order has been shipped. Invoices should not be paid until you receive an IBM statement from the University of Illinois Bursar's Office. Whenever payment is made, it is important to state which invoice is covered by your check and return a copy of the invoice and the IBM card with your remittance.

If your order to us covers several months and is \$200 or more, you will be billed monthly for the films used. If neither of these plans is acceptable, please let us know.

## FILM DAMAGE

Customers will not be charged for film damage unless it is to a previously undamaged film. All other damage will be absorbed by the Visual Aids Service.

## GREEN FILM

Occasionally you may receive a film which is brand new and continually loses the lower loop. The best method of correction is to hold a silicone cloth lightly on the film before it passes from the upper reel into the film gate. If this does not solve the problem, please do not continue to project the film. Return it to us with a note to this effect. Forcing a green film through a projector will result in serious and extensive film damage.

## HINTS FOR GOOD FILM UTILIZATION

If you have not had the opportunity of an AV course the following suggestions will help you in preparing to use a motion picture to the greatest classroom advantage.

### A. Teacher Preparation

1. Preview and/or study of film guide
2. Determine objectives to be reached by use of film
3. Develop questions to be asked following film showing
4. Plan for and anticipate follow-up activities.

### B. Prepare the Class

1. Explain why the film is being shown and what specific points students are to look for
2. Questions that will be asked
3. Vocabulary study
4. If special photographic techniques have been used call this to their attention.

### C. Show Under the Best Conditions Possible

1. Set up ahead of time if possible
2. Be familiar with equipment for easy use
3. Good ventilation and adequate darkening
4. Seating arrangement that prevents angular distortion.

### D. Follow-Up

1. Discussion of previously determined questions
2. Discussion of new questions
3. Determination of further work, such as art, field trip, letter writing, collections, etc.
4. Teacher to keep a record of general suitability of film used. This will indicate whether film should be re-used or whether a newer film should be used.

## CARE OF FILMS

The following pointers on film care will prolong film life and will make it possible to better serve all customers:

1. Keep projector clean at all times. Don't allow dirt to accumulate in the aperture of the projector. Always use a soft cloth when cleaning the aperture gate—never use metal that will scratch the smooth surface of the gate.
2. Thread film into projector properly. Be sure the film is engaged on all sprockets and that proper loops have been allowed above and below the aperture gate.
3. Turn some of the film through by hand (or with short starts) before running the film to check threading and to insure proper operation.
4. Check the film occasionally by letting your fingers ride lightly on the sprocket hole edge as it passes through the projector. If unusual noises or clattering occurs or if punctures develop in the film, stop the projector immediately and rethread.
5. If the film should become damaged, return the film with an explanatory note indicating the damaged section. PLEASE DON'T patch the film with scotch tape, paper clips, or pins.

## TRAINING

The Visual Aids Service offers, on a request basis, a visitation and consultation service, primarily to schools, to assist in planning and developing audio-visual programs. One of the Service Directors can visit a school or community for brief periods to assist in the solution of such problems as in-service teacher training, selection of audio-visual materials and equipment, budget, starting an audio-visual program, cataloging, etc. It is also possible to organize an Extension Class. Letters of inquiry are invited.

## RENTAL RATES SUBJECT TO CHANGE WITHOUT NOTICE

Occasionally this is necessary because of new editions, change from black and white to color, previously deposited prints which must now be purchased, or a price increase on the part of the producer.

Please check the rental charges on your confirmation sheet. Please feel free to inquire about any that do not conform to catalogue rates.



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 Webster's Sacrifice to Save the Union  
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## AMERICAN HISTORY—1900-PRESENT

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 Tale of Two Cities: Hiroshima and Nagasaki  
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 Two Decades of History  
 U. S. News Review—No. II  
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 V-J Day  
 Victory in the Air  
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 World War I: Building the Peace  
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## AMERICAN LITERATURE

Adventures of Huckleberry Finn  
 Arrowsmith  
 Book Talk Series  
 Carol of Harvest  
 Early National Period (American Literature Series)  
 Edgar Allan Poe: Background for His Work  
 Hawthorne and Whittier  
 Henry Wadsworth Longfellow  
 House of Seven Gables, The  
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 Literature Appreciation: How to Read Essays  
 Literature Appreciation: How to Read Novels  
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 Longfellow and Lowell  
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 Mark Twain Gives an Interview  
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 New England: Background of Literature  
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 On Seeing Film, Film and Literature  
 Realists, The (American Literature Series)  
 Revolutionary Times (American Literature Series)  
 Sea of Grass  
 Secrets of Success: Huck Finn  
 Walt Whitman: Background for His Works  
 Westward Movement (American Literature Series)  
 William Rose Benet



Wordsworth Country  
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## **AMPHIBIANS**

Amphibians  
Amphibians, Frogs, Toads, and  
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## **ANATOMY—ANIMAL**

Anatomy of the Dogfish, The  
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How Animal Life Begins  
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## **ANATOMY—HUMAN,** see **PHYSIOLOGY**

## **ANCIENT WORLD HISTORY**

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Animals of the Ice Ages  
Arab Middle East  
Assassination of Julius Caesar, The  
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Beginnings of History I (Stone Age)  
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Cave Community, The  
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Decline of the Roman Empire  
History of Writing  
Life in Ancient Greece: Home and  
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Our Inheritance from Historic Greece  
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Pictographs: Milestones in Writing  
Prehistoric Animals of the Tar Pits  
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Roman Life in Ancient Pompeii  
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## **ANIMALS—DOMESTICATED**

Adventures of Two Little Goats  
Animal Friends  
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Care of Pets  
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Farm Animals  
Farm Babies and Their Mothers  
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Kittens: Birth and Growth  
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## **ANIMALS—WILD**

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Animals of the Indian Jungle  
Animals of the Zoo  
Animals through the Winter  
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Black Bear Twins  
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Rabbit that Runs on Snowshoes  
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We Explore the Field and Meadow  
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Wild Animals: Their Homes and Habits  
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## **ANIMALS—STORIES**

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## **AQUARIUMS**

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 Balanced Aquarium  
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## **ARCHERY**

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 Archery Fundamentals  
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 Introduction to Field Archery

## **ARCHITECTURE AND ARCHITECTS**

A is for Architecture  
 Architecture Mexico  
 Architecture—U.S.A.  
 Big City—1980  
 Cathedral of Chartres  
 Frank Lloyd Wright  
 From Doric to Gothic  
 Heating and Air Conditioning  
 Introduction to Architecture  
 Jefferson, the Architect  
 Medieval Architecture  
 Music and Architecture through the Ages  
 Renaissance Architecture  
 Suburban Living—Six Solutions  
 Taliesin East  
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## **ARCTIC AND ANTARCTIC**

Arctic Borderland in Winter  
 Arctic, The: Islands of the Frozen Sea  
 Face of the High Arctic, The  
 Fishing Arctic Style  
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 Greenland's New Life  
 High Arctic: Life on the Land  
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 North Pole  
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## **ARITHMETIC**

Adding and Subtracting  
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 Arithmetic for Beginners  
 Arithmetic: Understanding the Problem  
 Borrowing in Subtraction  
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 Day without Numbers  
 Decimals Are Easy  
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 Donald in Mathmagic Land  
 Fractions: Finding the Common Denominator  
 Helping Children Discover Arithmetic  
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## **ART: TECHNIQUE AND FUNDAMENTALS**

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 Art and Life in Italy  
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 Art Director  
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 Artist and Nature  
 Backyard Artist  
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 Flannelboards and How to Use Them  
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 Flower Arrangements for the Home: Part I  
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## **ARTISTS**

Adolf Dehn's Technique in Water Color  
 Alexander Calder: Sculpture and Constructions  
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 Paris: City of Art



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## ARTS: CRAFTS AND CREATIONS

ABC of Pottery Making  
ABC of Puppet Making: Part I  
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Art: Dry Paper Modeling  
Art of Leather Carving  
Arts and Crafts of Mexico: Part I—  
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Sailor's Consolation; Check to Song  
Paper in the Round

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Simple Block Printing  
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Wood, Clay, and Fine Arts  
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## ARTIFICIAL RESPIRATION

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## ASIA

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Asian Earth  
Bangkok: Oasis on a Troubled Continent  
Burma, People of the River  
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Hill Capital, The  
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Southeast Asia: Lands and Peoples  
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## ASTRONOMY

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Astronomer, The  
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Big Sun and Our Earth, The  
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Exploring the Night Sky  
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How Many Stars  
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## ATHLETICS, see INDIVIDUAL SPORTS

## ATMOSPHERE

Work of the Atmosphere  
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## ATOMIC BOMB

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Atomic Alert (School, Home and  
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Atomic Bomb—Its Effects and How to  
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Atomic Energy  
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Atomic Research: Areas and  
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## ATOMIC ENERGY

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Matter and Energy  
News Magazine Report on Atomic  
Energy  
Our Atomic Development  
Our Friend, the Atom  
Report on the Atom  
U-238 Radioactive Series  
Unlocking the Atom

## ATOMIC THEORY

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Atomic Physics: Atomic Theory  
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Atomic Physics: Uranium Fission  
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Atomic Research: Areas and  
Development  
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Explaining Matter: Atoms and  
Molecules  
First Atomic Pile  
Inside the Atom  
Nuclear Reactor  
Principles of Nuclear Fission

## AUDIO-VISUAL INSTRUCTION

Accent on Learning  
Audio-Visual Aids to Learning



Audio-Visual Materials in Teaching  
 Audio-Visual Supervisor, The  
 Bring the World to the Classroom  
 Bulletin Boards for Effective Teaching  
 Chalk and Chalkboards  
 Chalkboard Utilization  
 Dry Mount Your Teaching Pictures  
 Facts About Films  
 Facts About Projection  
 Film and You (NFBC)  
 Film and You (Using the Classroom Film) (BFS)  
 Film Research and Learning  
 Film Tactics  
 Five Film Exercises  
 Flannelboards and How to Use Them  
 Flannelgraph  
 Handmade Materials for Projection  
 How to Make Handmade Lantern Slides  
 How to Use Your Movie Camera  
 Instructional Films—The New Way to Greater Education  
 It's Up to You (Film Splicing)  
 Language of Graphs, The  
 Lessons from the Air  
 Magazine to Transparencies  
 Magnetic Recorder, The (Uses and Operation)  
 Making Films that Teach  
 Murder on the Screen  
 Opaque Projector, Purpose and Use, The  
 Operation and Care of the Super Stylist Projector  
 Operation and Care of the RCA Projector  
 Operation and Care of the Bell and Howell Sound Projector  
 Operation and Care of the Victor 16mm Sound Projector  
 Overhead Projector  
 Pearlers  
 Preparing to Use a Film  
 Projecting Ideas on the Overhead Projector  
 Projecting Motion Pictures  
 Shown by Request  
 Sight and Sound  
 Tape Recording for Instruction  
 Teaching Materials Center  
 Training Aids: Classroom Utilization  
 Training Aids: Selection and Planning  
 Training Aids: Slides, Large Drawings, and Transparencies  
 Unique Contribution, The  
 Using the Classroom Film  
 Using Visual Aids in Training  
 Vision Strip Audio-Visual Classroom, The

## AUSTRALIA

Australia  
 Australia: The Land and the People  
 Australia Today (ANIB)  
 Australia Today (IFB)  
 Australia's Coral Wonderland  
 Australia's Platypus  
 Geography of Australia  
 Golden Fleece  
 Land of Fair Dinkum  
 Shearing Time at Billabong  
 Sheep Ranch Country  
 Story of a City (Australia)  
 This Land, Australia

## AUSTRIA

Vienna Today

## AUTHORS AND PHILOSOPHERS

Bertrand Russell (Wisdom Series)  
 Bertrand Russell Discusses Happiness  
 Bertrand Russell Discusses Mankind's Future  
 Bertrand Russell Discusses Philosophy  
 Bertrand Russell Discusses Power  
 Bertrand Russell Discusses the Role of the Individual  
 Carl Sandburg  
 Carl Sandburg Discusses His Work  
 Carl Sandburg Discusses Lincoln  
 Carol of Harvest  
 Charles Dickens: Background for His Works

Edgar Allan Poe: Background for His Works  
 Hawthorne and Whittier  
 Henry Wadsworth Longfellow  
 Holmes, Emerson, and Thoreau  
 James Fenimore Cooper  
 John Greenleaf Whittier  
 Longfellow and Lowell  
 Louisa May Alcott  
 Mark Twain (ACFC)  
 Mark Twain: Background for His Works  
 Mark Twain Gives an Interview  
 Oliver Wendell Holmes  
 Washington Irving  
 William Rose Benet  
 William Shakespeare

## AUTOMATION

Automatic Machines  
 Technique for Tomorrow  
 This Is Automation

## AUTOMOBILE OPERATION AND MAINTENANCE

ABC of the Automobile Engine  
 And Then There Were Four  
 Auto Safety  
 Automobiles  
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 Care of the Car  
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 Know Your Car  
 Long Road, The  
 Safe Driving: Car Maintenance and Care  
 School Bus Operation: Bus Care and Maintenance Part I  
 School Bus Operation: Passengers—Driving Hazards Safety Part II  
 School Bus Safety  
 Story of a Spark Plug, The  
 Story of the Modern Storage Battery  
 Trouble Shooting Problems: Fuel Induction  
 Trouble Shooting Problems: Ignition  
 Trouble Shooting Problems: Mechanical and Lubrication  
 Trouble Shooting Your Car  
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 DRIVER EDUCATION

## AUTOMOTIVE: HISTORY AND DEVELOPMENT

American Road, The  
 Arteries of New York City  
 Auto-Biography (20th Century)  
 Auto, U. S. A.  
 Big Wide Highway, The  
 Bus Driver  
 Gasoline Age, The  
 Horizons Unlimited  
 Transportation by Land  
 Truck Transport—on the Long Haul  
 Trucks that Serve Our City

## AUTUMN: see SEASONS

## AVIATION—COMMUNICATION

Microwave Oscillators  
 RCL-Resistance Capacitance (Radio Technician Training)  
 Radio Location—Siting Radar Equipment  
 Radio Operator  
 Radio Operator Training: Rhythm, Speed and Accuracy in Hand Sending  
 Radio Operator Training: Technique of Hand Sending  
 Radio Range Orientation  
 Radio Receivers: Principles and Typical Circuits  
 Radio Transmitters—Principles and Typical Circuits  
 Record of a Flight, The

Sending Radio Messages  
 Signal Generator Operation (Radio Technician Training)  
 Spoken Word, The  
 Standing Waves on Transmission Lines (Radio Technician Training Series)  
 Telegraph Printer: Mechanisms  
 Telegraph Printer: General Principles  
 VHF Airborne Radio Set SCR-522  
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## AVIATION—DEFENSE

Air Defense  
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## AVIATION—FLIGHT THEORY AND TRAINING

ABC of G, The  
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 Adjustments after Check Flights  
 Advanced Maneuvers  
 Aeroproducts Propeller: Line Inspection and Maintenance  
 Aeroproducts Propeller: Removal, Re-installation, Ground Run-up and Flight Test  
 Aeroproducts Propeller: Theory and Operation  
 Air Flow  
 Air Masses and Fronts  
 Airborne Magnetometer  
 Aircraft Alighting Gear—Inspection of Alighting Gear  
 Aircraft Alighting Gear—Maintenance of Alighting Gear  
 Aircraft Alighting Gear—Nose Alighting Gear  
 Aircraft and How They Fly  
 Aircraft Engine and Navigation  
 Instruments: 50 Hour Inspection  
 Aircraft Engines: Carburetion  
 Aircraft Engines—Elements of Electricity as Applied to Ignition Systems  
 Aircraft Instruments: Tachometer Repair  
 Aircraft Welding  
 Airplane Hydraulic Brakes—Brake Adjustment: Hayes and Goodyear Brakes  
 Airplane Hydraulic Brakes: Principles of Operation  
 Airplane Hydraulic Brakes: Types, Construction and Action  
 Airplane Hydraulic Systems: Part I  
 BC-1 Airplane  
 Airplane Mechanic, The  
 Airplane Propellers—Hamilton Constant Speed, Removal and Disassembly  
 Airplane Propellers—Hamilton Hydromatic Propeller Installation  
 Airplane Propellers—Hamilton Hydromatic, Servicing  
 Airplane Propellers: Hamilton Hydromatic, Theory and Operation  
 Airplane Propellers: Principles and Types  
 Airplane Radio Antennas  
 Airplane Structures—Alighting Gear  
 Airplane Structures—Control Surfaces  
 Airplane Structures: Fuselage Construction  
 Airplane Structures—Manufacturing Methods  
 Airplane Structures—Static Testing  
 Airplane Structures—Structural Units, Materials and Loads for Which Designed  
 Airplane Structures—Wing Construction  
 Airplanes: How They Fly  
 Airplanes: Principles of Flight  
 Airplanes—Their Metals, Fuels, and Lubricants  
 Aircrew  
 Approaching the Speed of Sound  
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 Cadet Classification  
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Ditching Without Hedging  
 Essential Parts and Types of Planes  
 Flight Safety—Disorientation Crashes  
 Fly High and Live—Oxygen  
   Equipment  
 Flying the Turn  
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   Equatorial Front  
 Flying the Weather Map—The  
   Howzozit Chart  
 Forces Acting on an Air Foil:  
   Aerodynamics Series  
 Formation Flying  
 From Little Wings  
 G and You  
 Gateway  
 Ground Control Approach of Aircraft  
 Gyro Compass: The Compass System  
 Gyro Compass: Principles of the  
   Gyroscope  
 Gyro Compass: The Gyro Becomes a  
   Compass  
 Gyro Compass: The Gyroscope and the  
   Earth's Rotation  
 Gyro Compass: The Gyroscope and  
   Gravitation  
 How an Airplane Flies Part I—Lift  
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   Controls  
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 Instrument Flight Control—Orientation:  
   Fade Parallel System and Close-in  
   Procedure  
 Instrument Flight Control—Orientation:  
   The 90 Degree Method  
 Instrument Flight Control—Orientation:  
   The True Fade System  
 Instrument Flight Control—Radio  
   Navigation: Part II Bracketing an  
   Unknown Beam  
 Instrument Flying and Landing—Air  
   Force Landing System  
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   Let-down and Low Approach  
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   Standard Rate Turns  
 Integrated Landing Aids: Part I  
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   Checks Part VI  
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   Spins  
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   Chandelle  
 Introduction to Flying  
 Jet Assisted Take-off for Carrier  
   Aircraft  
 Landing  
 Lift: Aerodynamics Series  
 Loran: Airborne Operation  
 Loran—Basic Principles of Loran  
   Operation  
 Medicine—Aviation Medicine  
 Motions of a Plane  
 Night Vision for Airmen  
 North Atlantic Route, The  
 Ocean Air Traffic Control  
 Omni Bearing Distance Navigation  
   System  
 Parachutes: Adjustment of the Harness  
 Parachutes: Construction and Types  
 Parachutes: Folding and Packing the  
   Service Seat Parachutes  
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 Paratroops  
 Photography Flights  
 Physiology of High Altitude Flying  
 Primary Flight Training—Attitudes of  
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Primary Flight Training: Attitudes of  
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 Primary Flight Training—Before You  
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 Primary Flight Training: Safe for Solo  
 Primary Flight Training: Slips  
 Primary Flight Training: Steep Turns  
   and Spirals  
 Primary Flight Training: Take-Offs  
   Principles of Flight  
 Properties of Air: Aerodynamics Series  
 Safe Airmen  
 Smokejumpers  
 Starting, Taxiing, Taking Off  
 Straight and Level Flight and Effect  
   Controls  
 Take-offs and Landings: Part I The  
   Take-off  
 Take-Offs and Landings: Part II The  
   Landing  
 Theory of Flights: Aerodynamics Series  
 Transonic Flight  
 Turbosupercharger, Flight Operation  
 Use of Aircraft for Insect Control—  
   Part I: Mosquito Control  
 Use of Oxygen in Aviation  
 Visual Flight Rules  
 Weft System of Aircraft Identification,  
   The: Part I, Basic Characteristics  
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   The: Part II, Special Characteristics  
 Youth Trains for Aviation

## AVIATION—HELICOPTER AND GLIDERS

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 Helicopter, The  
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## AVIATION—HISTORY

Advance the Bomber Line  
 Aeronautical Oddities  
 Air Age  
 Air Progress  
 Airlift—The Cold Decade  
 Airline to Everywhere  
 Airlines to Anywhere  
 Airplanes Work for Us  
 America First in the Air  
 Army Air Forces: Pacific  
 Army Air Forces Report  
 Battle of Britain (UW)  
 Battle of Britain (Air Power Series)  
   (CBS)  
 Berlin Air Lift (TFC)  
 Berlin Airlift, The (You Are There)  
   (CBS)  
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 Ceiling Unlimited  
 Combat America  
 Conquest of the Air  
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 Development of a Standard, The  
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 Fight for the Sky  
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First Flight of the Wright Brothers  
 Fools, Daredevils and Geniuses  
 Fury in the Pacific  
 History of Aviation  
 Interdiction and Blockade  
 Japanese Perimeter, The  
 Jet Power  
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 Man in Flight  
 Maps for a Changing World  
 Mission Accomplished  
 New Doctrine, The  
 News Magazine of the Screen's Report  
   on Aviation  
 1930's, The  
 Normandy Invasion  
 Operation Airborne  
 Pacific Pattern  
 Pearl Harbor  
 R. A. F. Action  
 Schweinfurt  
 Sky Giant  
 Starfighter  
 Story of the Flying Wing  
 Strangle  
 Strategic Air Power  
 Superfort  
 Target for Tonight  
 Target Ploesti  
 To the Yalu—The Cold Decade  
 Toward the Unexplored (20th Century)  
 Transatlantic Hop  
 Victory in Europe  
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 We Said We'd Come Back  
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## AVIATION—MECHANICS

Airplane Propellers—Hamilton,  
   Hydromatic, Reassembly and  
   Adjustment Parts I, II  
 Application of Pascal's Law: Part I  
 Application of Pascal's Law: Part II  
 Assembly of Alighting Gear and  
   Shock Strut  
 Aviation Engine Disassembly and  
   Inspection  
 Building a Box Beam Spar  
 Building a Wooden Rib  
 Bureau of Aeronautics Industrial  
   Planning Program  
 Cathode Ray Oscilloscope  
 Current and Electromotive Force:  
   Elementary Electricity  
 Curtiss Electrical Propeller:  
   Disassembly—Hub and Blades  
 Curtiss Electrical Propeller: Part 14  
   Disassembly Power Unit  
 Curtiss Electrical Propeller: Reassembly  
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   and Disassembly  
 Cyclone Combustion  
 Derivation of Pascal's Law: Part I  
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 Double Wasp Water Injection System  
 1820 Wright Engine—Cleaning Up  
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   Cylinder and Nose Section  
 Engine Change: Installation  
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 Eyes of Flight  
 Fabricating Metal Aircraft  
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   and Control Surfaces  
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 Oxygen Equipment—Servicing  
   Equipment in the Airplane  
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   High Pressure Removable Cylinder



Oxygen Equipment—Types and Use at High Altitudes  
 Periodic Functions (Radio Technician Training)  
 Periodic Inspection: Airplane  
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 Plane Is Born  
 Preflight Inspection: Airplane  
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 Preparation of Aircraft Engines for Storage—Preservation  
 Preparation of Aircraft Engines for Storage—Retreatment and  
 Preparation for Service  
 Problems of Flight: Aerodynamics Series  
 Repairing Aircraft Tires  
 Safe Aircraft  
 Safe Flight Operation  
 Safety in Air Stations  
 Safety in Aviation  
 Servicing an Airplane  
 Servicing the Aviation Spark Plug  
 Simple Hydraulics System  
 Smooth Starts  
 Start 'Em Flying  
 Working with Wings  
 Wright Builds for Air Supremacy

## AVIATION—METEOROLOGY

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 Flying the Weather Map—The Equatorial Front  
 Flying the Weather Map—The Howgozit Chart  
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 Hurricane Circuit  
 Hurricane Watch  
 Occluded Fronts, The  
 Operation Hurricane  
 Thunderstorms  
 Warm Front  
 Weather for the Navigators  
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Celestial Navigation Charts  
 Celestial Navigation: Interpretation of Bearings, Lines of Position and Fixes  
 Celestial Navigation: Latitude by Polaris  
 Celestial Navigation: Location Points on the Celestial Sphere  
 Celestial Navigation: Nautical Astronomy  
 Celestial Navigation: Position Finding on the Earth  
 Celestial Navigation: Solutions of Illustrative Problems  
 Celestial Navigation: The Earth  
 Celestial Navigation: The Link Aircraft Sextant  
 Celestial Navigation: Time  
 Navigation: Aerial Map Reading  
 Navigation: Charts  
 Navigation: Dead Reckoning  
 Navigation: Nautical Astronomy  
 Navigation: Star Identification  
 Navigation: The Earth  
 Navigation: Time—Parts I, II, III  
 Navigation: Time (UW)  
 Navigation: Time in the Air  
 Radio Aids (Aerial Navigation Series)  
 Radio Antennas—Creation and Behavior of Radio Waves  
 Radio Antennas—Fundamentals of the Antenna  
 Radio Compass: The Radio Compass in Flight  
 Radius of Action  
 Receiving Radio Messages  
 Rectangular Coordinates  
 Tube Tester Operation

## AVIATION—PARACHUTES; PARATROOPS, see AVIATION FLIGHT TRAINING

## AVIATION—SAFETY

Air Traffic Control  
 Airport  
 Crash Fire Rescue

Elmer Gets a Workout  
 Flight Safety—Emergency Landing on Land  
 Flight Safety—Flat Hatting  
 Flight Safety—Landing Accidents  
 Flight Safety—Spins and Stalls  
 Flight Safety—Taxiing Collisions  
 Forced Down at Sea  
 Ground Crew Safety  
 Ice Formation on Aircraft, Part I and Part II: Review—How and Where  
 Ice Forms  
 Learn and Live  
 Rescue Squadron  
 Sea Rescue Equipment for Airplane Crews—Inspection and Maintenance  
 Sea Rescue Equipment for Airplane Crews—One Man Rescue Equipment  
 Song of the Clouds  
 That Men May Fly

## AVIATION: SPACE AND ROCKETS

Depths of Space, The: Exterior Galaxies  
 Earth Satellites: Explorers of Outer Space  
 Exploring by Satellite  
 Exploring Space  
 How We Explore Space  
 Man in Space  
 Mirror in the Sky  
 New Frontiers in Space  
 Rockets and Satellites  
 Rockets—How They Work  
 Rockets: Principles and Safety  
 Toward the Unexplored (20th Century)

## AVIATION—TRANSPORTATION

Airlines to Anywhere  
 Airplane Trip, An  
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 Development of Transportation in the United States  
 Highways North  
 Mr. Barnaby Sleeps in the Sky  
 Mr. Withers Stops the Clock  
 NACA Research  
 New Horizons  
 Transportation by Air  
 Wings for Roger Windsock  
 Wings of Mercy  
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## BABY SITTING, see CHILD CARE

## BACTERIOLOGY

Bacteria—Friend and Foe  
 Bacteria, A Laboratory Study  
 Body Fights Bacteria  
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## BADMINTON

Badminton Fundamentals  
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## BAKING, see HOME ECONOMICS

## BALI, see INDONESIA, PACIFIC ISLANDS

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## BANDS

Band Techniques: Attention  
 Band Techniques: Band on the March  
 Band Techniques: Baton Directing  
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 Band Techniques: Drum Major  
 Band Techniques: Maneuvers for Field and Street  
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 Bands of the U. S. Army  
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## BANKING AND COMMERCE

Banks and Credit  
 Credit—Man's Confidence in Man  
 Federal Reserve Bank and You  
 Federal Reserve System  
 Great Lakes, The: Their Link with Ocean Shipping  
 House of Rothschild  
 Industrial Purchasing  
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 Introduction to Foreign Trade  
 Mint, The  
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 Story of Money  
 Story of Our Money System, The  
 To Market, to Market  
 United States Customs Safeguard Our Foreign Trade  
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## BASEBALL

Baseball by the Code  
 Baseball for Millions  
 Baseball Fundamentals and Techniques  
 Batting Fundamentals  
 Batting Stars of Baseball  
 Beat Ball  
 Big League Baseball  
 Boy, a Bat and a Baseball  
 Catching Fundamentals  
 Catching in Baseball  
 Circling the Bases  
 Democracy of Baseball  
 Hitting the Baseball  
 Infield Play at First and Third  
 Pitching Stars  
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 Throwing in Baseball  
 World Series of 1946  
 World Series of 1947  
 World Series of 1947 (Short Version)  
 World Series of 1948  
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 World Series of 1951  
 World Series of 1952

## BASKETBALL

Ball Handling in Basketball  
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 Basketball: Court Craft  
 Basketball for Boys: Fundamentals  
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 Basketball for Girls: Fundamental Techniques  
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 Basketball Is Fun  
 Basketball Strategy for Girls  
 Basketball Techniques for Girls  
 Better Basketball  
 Championship Basketball  
 Defensive Footwork in Basketball  
 Girls Basketball for Beginners  
 Official Basketball  
 Play Championship Basketball  
 Shooting in Basketball  
 Understanding Basketball

## BEARS, see ANIMALS AND ANIMAL STORIES

## BEAVERS, see ANIMALS, WILD

## BEES

Bees and Their Habits  
 City of Wax  
 Flower and the Hive, The  
 Honeybee (EB)  
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## BELGIAN CONGO, see AFRICA

## BELGIUM

Belgium  
 Belgium and The Netherlands: Lands and Peoples  
 Introducing Belgium



**BICYCLE AND BICYCLE SAFETY**

Bicycle Safety  
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 I'm No Fool with a Bicycle  
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**BIBLE, see RELIGION AND ETHICS****BILL OF RIGHTS, see CIVICS****BIOGRAPHY**

Abraham Lincoln  
 Abraham Lincoln: A Background Study  
 Abraham Lincoln: A Study in Greatness—Part I Youth  
 Abraham Lincoln: A Study in Greatness—Part II Illinois Years  
 Abraham Lincoln: A Study in Greatness—Part III The War Years  
 Alexander Calder: Sculpture and Construction  
 Alexander Hamilton  
 Andrew Carnegie  
 Andrew Jackson  
 Ann Rutledge  
 Anna Karenina  
 Aristotle and the Scientific Method  
 Arnold Toynbee  
 Audubon and the Birds of America  
 Bertrand Russell  
 Booker T. Washington  
 Carl Sandburg  
 Churchill—Man of the Century  
 Conquest  
 Daniel Webster  
 David Ben-Gurion  
 Eli Whitney  
 FDR—Third Term to Pearl Harbor  
 Franklin Delano Roosevelt  
 Galileo  
 Gandhi  
 George Braque  
 George Washington  
 Great Heart, The  
 Helen Keller in Her Story  
 Heroism of Clara Barton  
 Horace Mann  
 Immortal Bizet  
 Jefferson of Monticello  
 John C. Calhoun  
 John C. Fremont  
 John Greenleaf Whittier  
 Lafayette, Champion of Liberty  
 LaSalle  
 Life of Emile Zola  
 Lincoln in Illinois  
 Lincoln in the White House  
 Lincoln Speaks at Gettysburg  
 Liszt and His Music  
 MacArthur Story, The  
 Madame Curie  
 Mahatma Gandhi  
 Marian Anderson  
 Mark Tobey: Artist  
 Meet Mr. Lincoln  
 Mussolini  
 Nancy Hanks  
 Old Hickory  
 Patrick Henry of Virginia  
 Perfect Tribute, The  
 Rembrandt: Poet of Light  
 Rembrandt Van Rijn: Self Portrait  
 Rise of a Dictator  
 Rise of Adolph Hitler, The  
 Robert E. Lee: A Background Study  
 Robert Frost  
 Romance of Robert Burns  
 Sir Francis Drake  
 Sir Francis Drake's Life and Voyages  
 Story of Alfred Nobel  
 Story of Dr. Carver, The  
 Susan B. Anthony  
 Theodore Roosevelt: American  
 Thomas Jefferson  
 Toulouse Lautrec  
 Triumph of Louis Braille, The

**BIOLOGY**

Adaptations of Plants and Animals  
 Battle of Beetles

**Behavior in Animals and Plants****Biological Science Series:**

Cell Biology—World of Life  
 Cell Biology—Unit of Life  
 Cell Biology—What Is a Cell?  
 Cell Biology—Cell's Chemical Organization  
 Cell Biology—Cell Respiration  
 Cell Biology—Patterns of Energy Transfer  
 Cell Biology—Transfer of Materials  
 Cell Biology—Growth and Replacement  
 Cell Biology—Responsiveness  
 Cell Biology—Regulation and Control  
 Cell Biology—Cell Reproduction  
 Cell Biology—From Atoms to Organisms  
 Microbiology—Very Small  
 Microbiology—Ameboid Organisms  
 Microbiology—Complex Microorganisms  
 Microbiology—Responses in Motile Forms  
 Microbiology—Microorganisms with Chlorophyll  
 Microbiology—Fungi  
 Microbiology—Bacteria  
 Microbiology—Viruses  
 Microbiology—Reproduction in Microorganisms  
 Microbiology—The Germ Theory of Disease  
 Microbiology—Metabolic Diversity  
 Microbiology—Importance of Microorganisms  
 Multicellular Plants—Plant Organisms  
 Multicellular Plants—Seed and Germination  
 Multicellular Plants—Leaves  
 Multicellular Plants—Chlorophyll  
 Multicellular Plants—Role of Green Plants  
 Multicellular Plants—Roots  
 Multicellular Plants—Stems  
 Multicellular Plants—Development  
 Multicellular Plants—Regulation in Growth  
 Multicellular Plants—Flower Structure  
 Multicellular Plants—Flower Functions  
 Multicellular Plants—Variations on a Theme  
 Multicellular Animal—Form and Function  
 Multicellular Animal—Circulation  
 Multicellular Animal—Ingestion and Digestion  
 Multicellular Animal—Respiration  
 Multicellular Animal—Chemical Machinery  
 Multicellular Animal—Excretion  
 Multicellular Animal—Hormones  
 Multicellular Animal—Muscles  
 Multicellular Animal—The Nervous System  
 Multicellular Animal—The Senses  
 Multicellular Animal—Behavior  
 Multicellular Animal—The Animal and the Environment  
 Reproduction, Growth and Development—Patterns of Reproduction  
 Reproduction, Growth and Development—The Animal Life Cycle  
 Reproduction, Growth and Development—The Sex Cells  
 Reproduction, Growth and Development—Fertilization  
 Reproduction, Growth and Development—Differentiation of Animal Tissues  
 Reproduction, Growth and Development—Genes and Differentiation  
 Reproduction, Growth and Development—The Development of Organisms  
 Reproduction, Growth and Development—Human Development  
 Reproduction, Growth and Development—Regeneration

**Reproduction, Growth and**

Development—Types of Plant Growth  
 Reproduction, Growth and Development—Mechanisms of Plant Growth  
 Reproduction, Growth and Development—Control of Plant Growth  
 Genetics—The Study of Heredity  
 Genetics—The Contribution of Mendel  
 Genetics—The Principle of Segregation  
 Genetics—Independent Assortment  
 Genetics—The Chromosomal Basis of Heredity  
 Genetics—Linkage and Crossing-Over  
 Genetics—Sex Determination  
 Genetics—The Nature of the Gene  
 Genetics—Changes in Hereditary Material  
 Genetics—Gene Action  
 Genetics—Applications of Genetics  
 Genetics—Fallacies About Heredity  
 Plant Diversity—The Evolution of Body Form  
 Plant Diversity—The Algae Phyla I  
 Plant Diversity—The Algae Phyla II  
 Plant Diversity—Fungi I  
 Plant Diversity—Fungi II  
 Plant Diversity—Mosses  
 Plant Diversity—The Invasion of Land  
 Plant Diversity—Ferns and Related Plants  
 Plant Diversity—Gymnosperms  
 Plant Diversity—The Flowering Plants I  
 Plant Diversity—The Flowering Plants II  
 Plant Diversity—The Plant Kingdom  
 Animal Diversity—The Nature of Diversity  
 Animal Diversity—Order in Diversity (Classification)  
 Animal Diversity—Two-layered Animals (Sponges, Coelenterates, Ctenophores)  
 Animal Diversity—Worms (Flat Worms, Nemertean, Annelids)  
 Animal Diversity—Early Arthropods  
 Animal Diversity—Insects and Spiders  
 Animal Diversity—Mollusks (A Story of Adaptation)  
 Animal Diversity—Miscellaneous Invertebrates  
 Animal Diversity—Fishes, Amphibians, and Reptiles  
 Animal Diversity—Birds and Mammals  
 Animal Diversity—Primates  
 Animal Diversity—Interrelationships for Survival  
 Ecology—Order in Nature  
 Ecology—Habitat and Adaptation  
 Ecology—The Living Environment  
 Ecology—How Organisms Modify Their Environment  
 Ecology—The Community  
 Ecology—Community Changes in Time I  
 Ecology—Community Changes in Time II (Succession)  
 Ecology—Community Changes in Time III (Man)  
 Ecology—Populations  
 Ecology—Energy Transformations  
 Ecology—Plant and Animal Geography  
 Ecology—Biomes  
 Life, Time and Change—Organisms in Time  
 Life, Time and Change—Darwin and Evolution  
 Life, Time and Change—Origin of Hereditary Differences  
 Life, Time and Change—Natural Selection I  
 Life, Time and Change—Natural Selection II  
 Life, Time and Change—The Species Concept



Life, Time and Change—Patterns of Evolution  
 Life, Time and Change—The History of Life  
 Life, Time and Change—Evolution of the Vertebrates  
 Life, Time and Change—Origin and Evolution of Man  
 Life, Time and Change—Course Summary  
 Life, Time and Change—Course Summary  
 Biologists in the Tropics  
 Biology of Domestic Flies  
 Cell Division—The Basis of Growth in All Living Things  
 Cell—Structural Unit of Life  
 Cells and Their Functions  
 Chain of Life  
 Characteristics of Plants and Animals  
 Classifying Plants and Animals  
 Field Trip  
 From One Cell  
 How Green Plants Make and Use Food  
 How Living Things Change  
 Introduction to Biology  
 Life along the Waterways  
 Life and Death of a Cell  
 Life in a Cubic Foot of Air  
 Life in a Drop of Water  
 Life in a Garden  
 Life in a Pond  
 Life in a Woodlot  
 Life in the Grasslands  
 Marshes of the Mississippi  
 Microbes  
 Mitosis and Meiosis  
 Nature's Half Acre  
 Nitrogen Cycle  
 Osmosis (TFC)  
 Osmosis (EB)  
 Partnerships Among Plants and Animals  
 Promise of the Life Sciences Series:  
   Biological Transformation of Energy  
 Promise of the Life Sciences Series:  
   Fine Structure and Pattern of Living Things  
 Promise of the Life Sciences Series:  
   Genetics  
 Promise of the Life Sciences Series:  
   Nutrition—The Chemistry of Life  
 Promise of the Life Sciences Series: The  
   Organism and the Environment  
 Seifriz on Protoplasm  
 Spring Comes to a Pond  
 see also ZOOLOGY, GENETICS

## BIRDS

Attracting Birds in Winter  
 Audubon and the Birds of America  
 Bird Community, The  
 Bird Homes  
 Bird Hunt  
 Bird Migration  
 Birds and Their Characteristics  
 Birds Are Interesting  
 Birds: How We Identify Them  
 Birds in Winter  
 Birds in Your Backyard  
 Birds of North America #3  
 Birds of North America #4  
 Birds of North America #5  
 Birds of Our Storybooks  
 Birds of Prey  
 Birds of the Countryside  
 Birds of the Dooryard  
 Birds of the Inland Waterways  
 Birds of the Marshes  
 Birds of the Seashore  
 Birds of the Woodlands  
 Bluebird  
 Bob White Through the Year  
 Bobolink and Bluejay  
 Five Colorful Birds  
 Goldfinch Family  
 Gray Gull, The Hunter  
 Grouse of the Grasslands  
 How Birds Help Us  
 Hummingbird Homelife  
 Living Bird, The  
 Migration of Birds: The Canada Goose  
 Mr. and Mrs. Robin's Family  
 Nature's Songsters  
 Owls

Protect Your Birds  
 Red Winged Blackbirds  
 Robin  
 Robin Redbreast  
 Ruby-throated Hummingbird  
 Songbirds of the North Woods  
 Thrushes and Relatives  
 Water Birds (EB)  
 Waterfowl in Action  
 Wood Thrush  
 Woodpecker Gets Ready for Winter  
 Yours for a Song

## BLOOD

Blood Transfusion  
 Brothers in Blood  
 Heart and Circulation  
 Heart: How It Works  
 Human Body: Circulatory System  
 Story of the Bloodstream Part I  
 Story of the Bloodstream Part II  
 Work of the Blood  
 see also PHYSIOLOGY

## BOATS AND BOATING

Boats  
 Boats: Buoyancy, Stability, Propulsion  
 see also LIFESAVERING AND WATER SAFETY

## BOLIVIA

Bolivia (UW)  
 Bolivia (WHF)  
 High Plain  
 La Paz  
 see also SOUTH AMERICA

## BOOKS, see LIBRARY

## BOTANY

Adaptations of Plants and Animals  
 Carnivorous Plants  
 Climbing Plants  
 Ferns  
 Flower and the Hive, The  
 Forest Grows, The  
 Forest Produces  
 From Flower to Fruit  
 Garden Plants and How They Grow  
 Gardening  
 Goodbye Weeds  
 Green Plant, The  
 Green Vagabonds  
 Growth of Flowers  
 Growth of Seeds  
 How Plants Help Us  
 How Plants Reproduce  
 How Trees Help Us  
 Leaves  
 Life of a Plant  
 Life Story of a Fern  
 Life Story of a Watermold  
 Living Plant  
 Miracle of the Trees  
 Onion, The  
 Photosynthesis  
 Plant Growth  
 Plant Growth and Mutation in  
   Tradescantia Virginica L  
 Plant Life at Work  
 Plant Oddities  
 Plant Survival  
 Plant Traps: Insect Catchers of the  
   Bog Jungle  
 Power of Plants  
 Reproduction in Plants  
 Root Development  
 Roots of Plants  
 Secrets of the Plant World  
 Sensitivity of Plants  
 Simple Plants: Algae and Fungi  
 Simple Plants: Bacteria  
 Time-lapse Studies of Growing Trees  
 see also FORESTS AND FORESTRY

## BOWLING

America Bowls  
 Bowling Aces  
 Bowling Fundamentals  
 Splits, Spares, and Strikes

## BOY SCOUTS, see SCOUTS AND SCOUTING

## BRAZIL

Belo Horizonte  
 Brazil  
 Brazil, People of the Highlands  
 Brazil Today  
 Geography of South America: Brazil  
 Southern Brazil

## BREAD

Bread  
 Bread Making  
 Community Bakery, The  
 Principles of Baking  
 Story of Wheat  
 Wheat Farmer, The  
 Wheat, the Staff of Life—Part I—  
   Wheat Growing  
 Wheat, the Staff of Life—Part II—  
   Milling  
 Wheat, the Staff of Life—Part III—  
   Use for Men and Animals

## BUILDING AND MATERIALS

Brick and Stone Mason  
 Build with Concrete Masonry  
 Building Techniques: Foundations and Concrete  
 Building Techniques: Framing—Floor Joists and Walls  
 Building Techniques: Framing—Rafter Principles and Common Rafters  
 Concrete  
 Concrete Example  
 From Mountains to Microns  
 Glass—From the Old to the New  
   Through Research  
 Heating and Air Conditioning  
 How to Make Quality Concrete  
 How to Transport, Place, Finish and Cure Quality Concrete  
 Making Bricks for Houses  
 Nation's Building Stone, A  
 Quality Ready Mixed Concrete  
 Tale of Two Houses

## BULLETIN BOARDS, see AUDIO-VISUAL INSTRUCTION

## BUSINESS EDUCATION—ACCOUNTING & BOOKKEEPING

Accounting and Calculating Machines  
 Accounting—The Language of Business  
 Bookkeeping and Accounting  
 Bookkeeping and You  
 C.P.A.

## BUSINESS EDUCATION—BUSINESS LAW

What Is a Contract?  
 What Is a Corporation?

## BUSINESS EDUCATION—GENERAL

Installment Buying  
 Introduction to Foreign Trade  
 It's Up to You (CAV)  
 Law of Demand and Supply  
 Round Trip  
 Trading Post  
 What Is Business?  
 Writing Better Business Letters  
 Your Earning Power  
 Your Share in Tomorrow

## BUSINESS EDUCATION—OFFICE MACHINES

Accounting and Calculating Machines  
 How to Operate Mimeograph  
   Duplicator 91  
 Machine Transcription—Machine Operations  
 Machine Transcription—Transcription Techniques



Maintenance of Office Machines  
Mimeographing Techniques  
Modern Business Machines

## **BUSINESS EDUCATION—OFFICE MANAGEMENT**

Boss Didn't Say Good Morning  
Discipline: Giving Orders  
Discipline: Reprimanding  
Every Minute Counts  
Office Supervisors' Problems: The Grapevine  
Office Supervisors' Problems: The Bright Young Newcomer  
Office Supervisors' Problems: The Follow-through  
Office Supervisors' Problems: How Much Co-operation  
Office Supervisors' Problems: In the Middle  
Office Supervisors' Problems: Promotion By-Pass  
Office Teamwork

## **BUSINESS EDUCATION—OFFICE PROCEDURES**

Addressing Envelopes  
Duplicating by the Spirit Method  
Duties of a Secretary  
Eight Parts of a Business Letter  
Filing Procedures in Business  
Great White Trackway  
I Want to Be a Secretary  
Secretary: A Normal Day  
Secretary Takes Dictation  
Secretary: Taking Dictation  
Take a Letter Please  
University Secretary

## **BUSINESS EDUCATION—PERSONAL QUALITIES**

All I Need Is a Conference  
How to Keep a Job  
Office Courtesy  
Office Etiquette  
Quarterback, The

## **BUSINESS EDUCATION—SALESMANSHIP**

Face in the Mirror  
How to Sell Quality  
Importance of Selling, The  
Littlest Giant  
Right Approach  
Salesmanship Series:  
  Approach  
  Making That Sale  
  The Preapproach  
  Prospecting  
Selling as a Career

## **BUSINESS EDUCATION—SHORTHAND**

Court Reporter  
Developing Shorthand Speed  
Doing Homework in Gregg Shorthand (Simplified Functional Method)  
  Part I  
Doing Homework in Gregg Shorthand (Simplified Functional Method)  
  Part II  
First Lesson (Gregg Shorthand)  
Secretary Transcribes, The  
Secretary: Transcribing  
Secretary's Day, The  
Take a Letter Please  
Teaching Marginal Reminders: Shorthand  
Typical Lesson: Shorthand

## **BUSINESS EDUCATION—TYPING**

Advanced Typing—Duplicating and Manuscript  
Advanced Typing Shortcuts  
Basic Typing—Machine Methods  
Basic Typing—Machine Operation  
Building Typing Skill  
Eight Parts of a Business Letter

Ready to Type  
Right at the Start  
Type Right  
Typewriter in Business, The  
Using the Carbon Pack

## **BUTTERFLIES**

Butterflies  
Butterfly, The  
Butterfly Botanists  
Butterfly Mystery  
Monarch Butterfly Story  
see also INSECTS

## **CALENDAR**

Calendar, The: The Days, Weeks, Months  
Calendar: The Story of Its Development

## **CAMERAS, see PHOTOGRAPHY**

## **CAMPING**

Spirit of Algonquin  
Toledo Story

## **CANADA AND NEWFOUNDLAND**

Banff and Lake Louise  
Beautiful Banff and Lake Louise (UW)  
Big Country, Big Fish  
Calgary Cowboy Stampede  
Call of Canada  
Canada (MOT)  
Canada Calling  
Canada from Sea to Sea  
Canada: Geography of the Americas  
Canada: The Atlantic Provinces  
Canada: The Industrial Provinces  
Canada: The Pacific Province  
Canada: The Prairie Provinces  
Canada's New Farmland  
Canada's Royal Canadian Mounted Police  
Canadian Boom  
Canadian Wheat Story  
Carnival in Quebec  
Conquest of Ungava  
Gift of the Glaciers  
Highways North  
Home of the French-Canadians—St. Lawrence River Lowlands  
How to Build an Igloo  
Industrial Canada  
Inside the Rim of Adventure  
Introducing Canada  
Keewaytinook  
Land of the Maple Leaf  
Longhouse People  
Manitoba Trails  
Montreal  
Newfoundland: Sentinel of the Atlantic  
Ottawa, Canada's Capital  
Pulp and Paper from Canada  
Salmon Run  
Waterway Holiday  
Wildlife in the Rockies

## **CANCER**

Breast Self Examination  
Cancer  
Cancer: A Research Story  
Challenge: Science Against Cancer  
146,000 Could Live (230,000 Will Die)  
Time and Two Women  
see also DISEASE

## **CANNING, see HOME ECONOMICS**

## **CANOEING, see BOATS**

## **CAPITALISM, see ECONOMICS**

## **CARIBBEAN**

Caribbean  
Caribbean Holiday  
Caribbean Sky Cruise

Costa Rica (MOT)  
Costa Rica (IFI)  
Costa Rica (PFI)  
Introduction to Haiti  
Isles of the Caribbean  
Jack's Visit to Costa Rica  
Life in Haiti  
People of Saba  
Visit to Puerto Rico  
Wings to Haiti  
see also WEST INDIES

## **CARPENTRY, see WOODWORKING and INDUSTRIAL ARTS**

## **CARTOONS, see ENTERTAINMENT FILMS**

## **CARTOONING, see ARTS AND CRAFTS**

## **CATS**

Here Kitty  
It's a Cats Life  
Three Little Kittens  
see also ANIMALS, DOMESTIC

## **CATTLE, see AGRICULTURE**

## **CAVES, see EARTH AND EARTH SCIENCE**

## **CEMENT, see BUILDING MATERIALS, and AGRICULTURE—ENGINEERING**

## **CELLS**

Cell Division—The Basis of Growth in All Living Things  
Cell—Structural Unit of Life  
Cells and Their Functions  
From One Cell  
Life and Death of a Cell, The  
see also BIOLOGY

## **CENTRAL AMERICA**

Boy of Mexico, A: Juan and His Donkey  
Central America  
Central America: Geography of the Americas  
Honduras—Yucatan  
Latin America: An Introduction  
Wings to Central America and Mexico  
see also GUATEMALA, MEXICO

## **CHEMISTRY**

Acids, Bases, Salts  
Alchemist in Hollywood  
Ammonia  
Beyond Uranium  
Carbon Fourteen  
Catalysis  
Chemical Reactions  
Chemistry and a Changing World  
Chemistry in College  
Chemistry of Water  
Chilean Nitrate  
Chlorine—A Representative Halogen  
Chromium and Manganese  
Colloidal State, The  
Colloids  
Constructive Chemistry  
Crystal Gazing  
Crystals at Work  
Demonstrating the Gas Laws  
Determination of Atomic Weight  
Discovery of Radium, The  
Effect of Heat Transfer on Flow Field at Low Reynolds Numbers in Vertical Tubes  
Electrochemistry  
Elements, Compounds, Mixtures  
Halogens, The

Hard Water (Chemistry Lab Series)  
 Heat of Solution (Chemistry Lab Series)  
 Hydrogen  
 I Choose Chemistry  
 Indicators and pH  
 Introduction to Chemistry  
 Ionic Equilibrium (Chemistry Lab Series)  
 Ionizations (C)  
 Liquid Air  
 Magic of Sulphur  
 Making Elements (The Elements)  
 Modern Alchemy (The Elements)  
 Molecular Weight of Oxygen (Chemistry Lab Series)  
 Molecular Weight of Solutes (Chemistry Lab Series)  
 Nitric Acid Compounds and the Nitrogen Cycle  
 Nitrogen and Ammonia  
 Nitrous Acid and Sodium Nitrate  
 Oxidation and Reduction  
 Oxides of Nitrogen (Chem. Lab Series)  
 Oxygen  
 Phosphorus (Chemical Lab Series)  
 Physical and Chemical Change (Chemistry Lab Series)  
 Preface to Chemistry  
 Preparations and Properties of Halogens (Chemistry Lab Series)  
 Preparation and Properties of Hydrogen (Chemistry Lab Series)  
 Preparation and Properties of Nitric Acid (Chemistry Lab Series)  
 Principles of Chromatography (Advanced Science Series)  
 Principles of Ionization  
 Principles of Nuclear Fission (Advanced Science Series)  
 Properties of Acids, Bases and Salts (Chemistry Lab Series)  
 Properties of Solutions (Chemistry Lab Series)  
 Rate of Reaction (Chemistry Lab Series)  
 Safety in the Chemistry Laboratory  
 Solutions (C)  
 Some Characteristics of Gases  
 Standard Solutions and Titration (Chemistry Lab Series)  
 Sulphur and Hydrogen Sulfide (Chemistry Lab Series)  
 Sulphur and Its Compounds  
 Sulfur Dioxide and Sulfurous Acid (Chemistry Lab Series)  
 Sulfuric Acid (Chemistry Lab Series)  
 Synthesis of a Compound (Chemistry Lab Series)  
 Techniques of Organic Chemistry, Part I  
 Techniques of Organic Chemistry, Part II  
 Techniques of Organic Chemistry, Part III  
 Techniques of Organic Chemistry, Part IV  
 Using the Laboratory (Chemistry and Physics)  
 Velocity of Chemical Reactions  
 X-Ray Crystallography

## CHILD CARE

Baby Care: Feeding  
 Baby Meets His Parents  
 Baby Sitter  
 Baby's Bath  
 Baby's Day at Twelve Weeks  
 Baby's Day at 48 Weeks  
 Baby's First Year  
 Before the Baby Comes  
 Care of Children of Working Mothers  
 Care of the New-Born Baby  
 Care of the Skin  
 Child and His Thumb, The  
 Child Development: Child Care and Development  
 Frustrating Fours and Fascinating Fives  
 Helping in the Care of Younger Children  
 Helping the Child to Accept the Do's  
 Helping the Child to Face the Don'ts  
 Know Your Baby  
 Labor and Childbirth  
 Postnatal Care  
 Preface to a Life

Your Children and You  
 Your Children Walking  
 Your Children's Ears  
 Your Children's Eyes  
 Your Children's Meals  
 Your Children's Play  
 Your Children's Teeth  
 see also OBSTETRICS

## CHILD STUDY

Bathing Babies in Three Cultures  
 Beginning of Conscience  
 Beginning of Picture Making  
 Behavior Patterns at One Year  
 Biography of the Unborn  
 Child at Play  
 Child Development  
 Child Development: Child Care and Development  
 Child Development: Children's Emotions  
 Child Development: Children's Fantasies  
 Child Development: Children's Play  
 Child Development: Heredity and Prenatal Development  
 Child Development: Principles of Development  
 Child Development: Sibling Relations and Personality  
 Child Development: Sibling Rivalries and Parents  
 Child Development: Social Development  
 Child Grows Up, The  
 Child in the Middle  
 Child Welfare in Sweden  
 Children Growing Up with Other People  
 Children Who Draw Pictures  
 Deafness in Children  
 Dr. Spock  
 Early Social Behavior  
 Emergence of Personality  
 Experimental Studies in Social Climates of Groups  
 Fears of Children  
 From Sociable Six to Noisy Nine  
 From Ten to Twelve  
 Frustrating Fours and Fascinating Fives  
 Growing Up (C)  
 He Acts His Age  
 Helping Teachers to Understand Children: Part I  
 Helping Teachers to Understand Children: Part II  
 Impressionable Years  
 Learning to Understand Children: Part I, Diagnostic Approach  
 Learning to Understand Children: Part II, Remedial Program  
 Life Begins  
 Life with Baby  
 Life with Junior  
 Long Time to Grow, A—Part I: Two- and Three-Year-Olds in Nursery School  
 Long Time to Grow, A—Part II: Four- and Five-Year-Olds in School  
 Long Time to Grow, A—Part III: Six, Seven, and Eight-Year-Olds—Society of Children  
 Terrible Two's and the Trusting Threes, The  
 Understanding Children's Play  
 When Should Growups Help?  
 When Should Growups Stop Fights?  
 Why Won't Tommy Eat?  
 Your Children's Sleep

## CHILDREN OF OTHER LANDS

Childhood Rivalry in Bali and New Guinea  
 Children of China  
 Children of Germany  
 Children of Holland  
 Children of Japan  
 Children of Russia  
 Children of Scotland  
 Children of Switzerland  
 Children of the Alps  
 Children of the City  
 Children of the Sun: Quechua Indians of Peru

Day with English Children  
 English Children  
 French-Canadian Children  
 French Children  
 Let's Be Childish  
 Mexican Boy: The Story of Pablo  
 Norwegian Children  
 South Pacific Island Children  
 Spanish Children

## CHILE

Andes—Chile's Barrier  
 Atacama Desert  
 Chile (People of the Country Estates)  
 Chilean Hacienda  
 Chile's Copper  
 Fundo in Chile  
 People of Chile  
 South Chile  
 Southern Chile (Tip of a Continent)

## CHINA

Children of China  
 China (MOT)  
 China Crisis  
 China Life Line  
 China, Land and the People  
 China, 1932-1945 (20th Century)  
 China under Communism  
 Farming in South China  
 Good Earth, The  
 Good Earth, The (Famine Sequence)  
 Hong Kong  
 Marco Polo's Travels  
 Oriental City (Canton, China)  
 Peiping Family  
 Peking—Marco Polo's Wonder  
 People of Western China  
 Sampan Family  
 Three Great Religions (China)  
 What Is China?  
 see also FORMOSA

## CHRISTIANITY, see RELIGION

## CHRISTMAS

Films to be restricted to Illinois users—  
 with the following exceptions:  
 1. Christmas Rhapsody 2. Littlest Angel 3. Night Before Christmas, The (UW)  
 Christmas Carols  
 Christmas Customs—Near and Far  
 Christmas Decr  
 Christmas Dream, A  
 Christmas Gift  
 Christmas in Sweden  
 Christmas Night  
 Christmas on Grandfather's Farm  
 Christmas Rhapsody  
 Christmas Slippers  
 Christmas Through the Ages  
 Christmas Toy Shop  
 Collection of Carols  
 Friendly Beasts: A Story from the Christmas Carol  
 How the Animals Discovered Christmas  
 Howdy Doody's Christmas  
 Legend of Mary  
 Littlest Angel, The  
 Merry Christmas (UW)  
 Merry Christmas (SF)  
 Nativity, The  
 Night Before Christmas (UW)  
 Night Before Christmas, The (EB)  
 Night Before Christmas (TFC)  
 Present for Santa Claus  
 Pup's Christmas, The  
 Santa and the Fairy Snow Queen  
 Santa Claus: Punch and Judy  
 Santa in Animal Land  
 Savior Is Born  
 Silent Night: Story of a Christmas Carol  
 Visit from St. Nicholas

## CIRCUS AND FAIRS

Boy of the Circus  
 Carnival Comes to Town  
 Circus Animals  
 Circus at the Zoo



Circus Day  
Circus Day in Our Town  
Circus People  
Circus Wakes Up  
Here Comes the Circus  
Sawdust Sidelights

## **CITIZENSHIP AND CIVIL RIGHTS**

Check List for Election Day  
Citizen Makes a Decision  
Citizen Participates, A  
Citizenship and You  
Citizenship in Action  
Defining Democracy  
Freedom of the Press  
Government Is Your Business  
Heritage  
How We Elect Our Representatives  
It's Your America  
Knock on Every Door  
Of Human Rights  
Our Basic Civil Rights  
Our Bill of Rights  
Our Living Declaration of  
Independence  
Peaceful Assembly and Free Speech  
Pilgrimage of Liberty, A  
Power Behind the Nation  
Price of Freedom, The  
Story That Couldn't Be Printed  
Voting Procedures  
What It Means to Be an American  
Why We Respect the Law  
With Liberty and Justice for All  
You, the People

## **CITY PLANNING AND DEVELOPMENT**

Big City—1980  
Building a Highway  
Building a House  
City, The  
Community Education  
Crowded Out  
Functions of a City  
Inadequate School Facilities  
Intergroup Relations  
Lakewood Learns to Live  
Levittown, Pennsylvania  
Our Town Builds an Airport  
Playtown, U.S.A.  
Population Patterns in the United States  
Suburban Living—Six Solutions

## **CIVICS**

Bill of Rights, The  
Bill of Rights of the United States,  
The  
Centralization and Decentralization  
Community Governments—How They  
Function  
Conduct of Congressional  
Investigations, The  
Congress, The  
Constitution and Censorship, The  
Constitution and Employment  
Standards, The  
Constitution and Fair Procedure, The  
Constitution and Military Power, The  
Constitution and the Labor Union,  
The  
Constitution and the Right to Vote,  
The  
Constitution of the United States, The  
Constitution, The: Whose Interpretation  
County Government  
Federal Reserve Bank and You  
Federal Reserve System  
Federal Taxation  
Fifth Amendment and Self-  
Incrimination, The  
Government Is Your Business  
How a Bill Becomes a Law  
Legislative Process, The  
New Americans  
New Congress  
Our Federal Government  
Our Living Constitution  
Our National Government  
Planning Our Foreign Policy  
Political Parties (C)  
Political Parties (EB)

Politics and Elections  
Power Behind the Nation  
Powers of Congress  
Presidency, The (MOT)  
President, The  
Presidential Elections  
President's Cabinet  
Pressure Groups  
Property Taxation  
Social Security  
Some People Stayed Home  
State Legislature  
Supreme Court, The (EB)  
Supreme Court, The (C)  
Supreme Court, The (MOT)  
Trial by Jury  
Tuesday in November  
see also U.S. GOVERNMENT

## **CIVIL DEFENSE**

Beginning or the End  
Civil Defense in Schools  
Disaster Control  
Duck and Cover  
Fallout—When and How to Protect  
Yourself Against It  
Rural Community Defense  
Self-Preservation in an Atomic Bomb  
Attack  
Survival under Atomic Attack  
Where Will You Hide  
You Can Beat the A-Bomb

## **CIVIL WAR, see AMERICAN HISTORY**

## **CLIMATE**

Climate and the World We Live in  
Deserts  
Dwellers in Hot Dry Countries  
Flowering Desert  
see also WEATHER

## **CLOTHING, see HOME ECONOMICS—CLOTH AND CLOTHING**

## **CLOUDS, see WEATHER, METEOROLOGY**

## **COAL**

Cumberland Story  
Power Unlimited  
Story of Coal  
Your Giants in the Earth  
see also HEAT AND FUEL

## **COLDS**

Confessions of a Cold  
How to Catch a Cold  
Let's Have Fewer Colds  
Sniffles and Sneezes  
see also DISEASE

## **COLONIAL PERIOD, see AMERICAN HISTORY**

## **COLOR, see ART**

## **COLOMBIA**

Colombia and Venezuela

## **COMMERCE**

Atom and Industry, The  
Caravans of Trade  
Great Lakes, The: Highway of  
Commerce  
Protective Tariff Vs. Free Trade  
Two Million Rooms  
Work of the Stock Exchange  
World Trade for Better Living  
see also BANKING AND COMMERCE

## **COMMUNICATION**

Age of Specialization  
Communication in the Modern World

Communications and Our Town  
Development of Communications  
Laying the Atlantic Cable  
Of Men and Ideas Series:  
No. 1: Just What Is General  
Semantics?  
No. 2: Do You Know How to Make  
a Statement of Fact?  
No. 3: Why Do People Misunderstand  
Each Other?  
No. 4: What Is a Good Observer?  
No. 5: On the Difference Between  
Words and Things  
No. 6: The Man Who Knows It All  
Production 5118  
Searchlight on the Nations  
Story of Communication  
Telegraph Printer: General Principles  
Telegraph Printer: Mechanisms  
Telephone and Telegraph  
see also TELEPHONE, TELEVISION,  
RADIO, ETC.

## **COMMUNISM**

China under Communism  
Communism  
Communism: George Kennan  
Communist Weapon of Allure, The  
Czechoslovakia—A Satellite State  
First Moscow Purge Trials, The  
Poland: Land under Communism  
see also RUSSIA

## **COMMUNITY LIFE, WORKERS, AND SERVICES**

Airplanes Work for Us  
All God's Children  
American Cop  
American Teacher, The  
And So They Live  
Anyone at All: Safety in the  
Community  
Are You a Good Citizen?  
Citizen Fireman  
City Fire Fighters  
Community Bakery  
Community Health and You  
Community Mental Health  
Community Responsibilities  
Cooperative and the Community  
Cub Scout in the Den  
Cub Scout in the Home  
Cub Scout in the Pack  
Day of Thanksgiving  
Education Is Good Business  
Expectant Fathers  
Exploring a Harbor  
Fair: Community Work and Fun  
Fight for Better Schools  
Fire and Police Service  
Fire Exit Drills at Our School  
Fireman (TOM)  
Fireman, The (EB)  
Food Store  
Freight Train  
Getting the Facts  
Going to Blazes  
Golden Age, The  
Gossip  
Harvest of Shame  
History in Your Community  
I Live in Hawaii  
Independent Commercial Radio Station  
Letter to Grandmother  
Life in the High Andes  
Living City, The  
Living in a Metropolis—Metropolitan  
New York  
Machines That Move Earth  
Mailman  
Miracle in Paradise Valley  
Mr. Withers Stops the Clock  
Rescue Squadron  
Stores in Our Community  
Teacher's Crisis  
Television in Your Community  
Tin Top: A Community Builds  
Union and Community  
U.S. Community and Its Citizens  
Waco—San Angelo Disaster Study  
Welton—A Healthy Community  
Where Do Our Letters Go?  
Where Does Our Food Come from?

Your Health Department  
Your Health in the Community  
Your Postal Service

## **CONCRETE, see BUILDING AND MATERIALS**

## **CONGRESS, see CIVICS and U. S. GOVERNMENT**

## **CONSERVATION**

Adventuring in Conservation  
Conservation of Natural Resources  
Conservation Road  
Conserving Our Forests Today  
Conserving Our Soil Today  
Erosion (UW)  
Erosion (Primary Science Series)  
Erosion by Wind and Water  
From the Ridge to the River  
Grasslands  
Heritage We Guard, The  
Meaning of Conservation, The  
Our Natural Resources  
Rainbow Valley: Story of a Forest Ranger  
Rape of the Earth  
Seeds of Destruction  
Soil and Water Conservation  
Strand Breaks, A  
Strand Grows, A  
Work of Running Water  
see also **AGRICULTURE**

## **CONSTITUTION**

Constitution and Censorship, The  
Constitution and Employment Standards, The  
Constitution and Fair Procedure, The  
Constitution and Military Power, The  
Constitution and the Labor Union, The  
Constitution and the Right to Vote, The  
Constitution of the United States, The  
Constitution, The: Whose Interpretation  
Fifth Amendment and Self-Incrimination  
One Nation  
One Nation Indivisible  
Our Constitution  
Our Living Constitution  
Seed of the Constitution of the United States  
Servant of the People  
see also **CIVICS, AMERICAN HISTORY, U.S. GOVERNMENT**

## **CONSUMER EDUCATION**

Consumer Education Series: Fourteen Carrots  
Consumer Education Series: Onions and More Onions  
Consumer Education Short  
Consumer Protection  
George's New Suit  
Getting Your Money's Worth  
Most for Your Money  
Wise Buying  
Your Ticket to Better Buying

## **COOKING, see HOME ECONOMICS**

## **COOPERATIVES, see AGRICULTURE**

## **COPPER**

Copper Mining  
Copper: Mining and Smelting  
Copper Network, The  
Copper, Steward of the Nation  
Story of Copper, The

## **CORN**

Cash in on Corn  
Corn  
Corn Farmer, The  
Great Story of Corn  
Menace of the Corn Belt

## **COTTON**

Cotton  
Cotton in Today's World  
Cotton Planting  
Eli Whitney Invents the Cotton Gin

## **COUNSELING**

Counseling Adolescents: Counselor's Day, A  
Counseling Adolescents: Diagnosis and Planning Adjustments in Counseling  
Counseling Adolescents: Using Analytical Tools  
Counseling—Its Tools and Techniques  
Getting a Job  
see also **EDUCATION**

## **COURTESY**

Acts of Courtesy  
By Jupiter  
Courtesy at School  
Courtesy for Beginners  
Everyday Courtesy  
Exchanging Greetings and Introductions  
Fun of Being Thoughtful  
High School Prom  
Introductions  
Manners in Public  
Manners in School  
Mind Your Manners  
School Courtesy  
Social Courtesy  
Words of Courtesy  
Your Table Manners  
see also **ETIQUETTE**

## **COWBOYS**

American Cowboy  
Cattle Drive  
Cattleman, The  
Cowboy, The  
Life on a Cattle Ranch  
Visit with Cowboys  
see also **AGRICULTURE: RANCHING**

## **CRIME AND CRIMINOLOGY**

American Cop  
Behind the Criminal  
Buried Loot  
Come Across  
Crime Lab  
Criminal Is Born  
Describing an Incident  
Due Process of Law Denied  
Fraud Fighters  
Inside Story  
Inside the Federal Bureau of Investigation  
Name Unknown  
New Prisons—New Men  
Penology Research (The Search)  
Phantom's, Inc.  
State Troopers  
Terrible Truth  
Understanding the Law  
Vandalism  
Why Vandalism?  
see also **JUVENILE DELINQUENCY**

## **CRUSADES: see MEDIEVAL HISTORY**

## **CRUSTACEANS, see ZOOLOGY, MARINE LIFE**

## **CUBA**

Cuba  
Cuba: The Land and the People  
Nation Is Fifty, A  
Visit to Cuba

## **CZECHOSLOVAKIA**

Czechoslovakia (MOT)  
Czechoslovakia—A Satellite State

## **DAIRYING, see AGRICULTURE**

## **DAMS**

Colorado River  
Dams  
Hoover Dam  
Mighty Columbia River  
T. V. A. (RKO)  
This Is TVA  
Valley of the Tennessee  
Water: Lifeblood of the West  
Water Power  
see also **ENGINEERING, CONSERVATION**

## **DANCE**

American Square Dance  
Appalachian Spring  
Blue Danube (UW)  
Building Children's Personalities with Creative Dance  
Canada Dances  
Contemporary Dance  
Dance Festival  
Dancer's World  
Let's Dance  
Let's Square Dance: Split the Ring  
Let's Square Dance: Take a Little Peek  
Modern Dance Composition  
Night Journey  
Norwegian Folk Dances  
Promenade All—Western Square Dancing  
Ruth St. Denis and Ted Shawn  
Sadler's Wells Ballerina  
Social Dancing  
Southwestern Indian Dances  
Square Dance Medley  
Square Dancing  
Steps of Ballet  
Witch Doctor  
Yoshi No Yama (A Classical Japanese Dance)

## **DEAFNESS: see SPECIAL EDUCATION**

## **DECIMALS, see ARITHMETIC**

## **DEMOCRACY**

Defining Democracy  
Discussion in Democracy  
House I Live in, The  
One People  
Social Change in a Democracy  
Social Class in America  
Story of an Immigrant  
Town, The  
Who Are the People of America  
see also **CITIZENSHIP and CIVIL RIGHTS**

## **DENMARK**

Denmark  
Denmark, Fairytale Land  
Faroe Islands  
Introducing Denmark  
Picturesque Denmark

## **DENTAL HEALTH**

Dental Health: How and Why  
It Doesn't Hurt  
Judy's Smile  
Our Teeth  
Save Those Teeth  
Smiles Have It  
Target: Tooth Decay  
Teeth, The  
Teeth Are to Keep  
Teeth: Their Structure and Care  
Told by a Tooth  
Tommy's Healthy Teeth  
Winky, the Watchman  
Your Children's Teeth  
Your Teeth

## **DESERTS**

Desert Nomads: French Morocco  
How the Desert People Live  
Life in the Sahara  
see also **CLIMATE**



## DESIGN

Elements of Design: Composition  
 Elements of Design: Light and Shade  
 Elements of Design: Line  
 Elements of Design: Shape  
 see also ART: TECHNIQUE AND  
 FUNDAMENTALS

## DIESEL

ABC of the Diesel Engine  
 Diesel Engine  
 Diesel—The Modern Power

## DIGESTION, see PHYSIOLOGY

## DISCUSSION PROBLEMS

About Rumors  
 American Film Forum #10 Is It  
 Treason?  
 American Film Forum #11 Do Security  
 Regulations Hamper Science?  
 American Film Forum #12 What's the  
 Answer to Slums?  
 American Film Forum #13 Should Red  
 China Be Admitted to the United  
 Nations?  
 American Film Forum #14 The  
 Segregation Question  
 American Film Forum #15 Are We  
 Drifting into World War III?  
 American Film Forum #16 What  
 about the Fifth Amendment?  
 American Film Forum #17 More or  
 Less Federal Aid to Education?  
 American Film Forum #18 Should We  
 Have Universal Military Training?  
 Are You Ready for Marriage?  
 Are You Ready for Service Series:  
 Communism  
 Are You Ready for Service Series:  
 Getting Ready Emotionally  
 Are You Ready for Service Series:  
 Getting Ready Morally  
 Are You Ready for Service Series:  
 Getting Ready Physically  
 Are You Ready for Service Series:  
 Military Life and You  
 Are You Ready for Service Series:  
 Nation to Defend  
 Are You Ready for Service Series:  
 Service and Citizenship  
 Are You Ready for Service Series:  
 Starting Now  
 Are You Ready for Service Series:  
 What Are the Military Services?  
 Are You Ready for Service Series:  
 What It's all About  
 Are You Ready for Service Series:  
 When You Enter Service  
 Are You Ready for Service Series:  
 Why You?  
 Are You Ready for Service Series:  
 Your Investment in the Future  
 Are You Ready for Service Series:  
 Your Plans  
 Cage, The  
 Community Responsibilities  
 Day in the Night of Jonathan Mole  
 Discussion in Democracy  
 Discussion in the Social Sciences  
 Discussion Problems: Cheating  
 Discussion Problems: The Good Loser  
 Discussion Problems: Other People's  
 Property  
 Discussion Problems: The Procrastinator  
 Discussion Problems: Responsibility  
 Discussion Problems: The Bully  
 Discussion Problems: The Gossip  
 Discussion Problems: The Griper  
 Discussion Problems: The Other  
 Fellow's Feelings  
 Discussion Problems: The Outsider  
 Discussion Problems: The Show-off  
 Discussion Problems: The Snob  
 Discussion Problems: The Troublemaker  
 Discussion Problems: Understanding  
 Others  
 Discussion Problems: What About  
 Alcoholism  
 Discussion Problems: What About  
 Drinking

Discussion Problems: What About  
 Juvenile Delinquency  
 Discussion Problems: What About  
 Prejudice  
 Discussion Problems: What About  
 School Spirit  
 Does It Matter What You Think?  
 Honest Truth  
 Importance of Goals  
 Is This Love?  
 Joe and Roxy  
 Judging Emotional Behavior  
 Majority Vote  
 Make Your Own Decisions  
 Making a Decision  
 Making a Decision in the Family  
 One Man's Opinion  
 Pinkerton Man  
 Popular Psychology  
 Retire to Life  
 Right or Wrong (Making Moral  
 Decisions)  
 Room for Discussion  
 Round Trip  
 Rumor  
 Should You Drink?  
 Sound of a Stone  
 Two Views on Socialism  
 Understanding Your Ideals  
 You and Your Time

## DISCUSSION TECHNIQUES

Discussion Technique  
 How Not to Conduct a Meeting  
 How to Conduct a Discussion  
 How to Conduct a Meeting  
 How to Think  
 Learn to Argue Effectively  
 Learning from Class Discussion  
 Let's Discuss It  
 Organizing Discussion Groups

## DISEASE

Body Defense Against Disease  
 Bovine Contagious Pleuropneumonia  
 Common Cold, The  
 Common Heart Disorders and Their  
 Causes  
 Defense Against Invasion  
 Goodbye, Mr. Germ  
 Great Heart, The  
 Heart Disease  
 Heart Disease: Its Major Causes  
 Hog Cholera—African Swine Fever, A  
 Comparison  
 Hog Cholera—the Story of Rovac  
 How Disease Travels  
 Infectious Diseases and Man-Made  
 Defenses  
 Infectious Diseases and Natural Body  
 Defenses  
 Insects as Carriers of Disease  
 Interim Report  
 Magic Touch, The—Immunization  
 Matter of Time  
 Mosquitoes and Malaria  
 Nagana  
 Other City  
 Preventing the Spread of Disease  
 Quest, The  
 Rival World, The  
 Scrapie  
 Teschen Disease  
 Triple Threat of Brucellosis  
 Tuberculosis, Its Diagnosis, Treatment,  
 Control  
 Vesicular Exanthema  
 What Is Disease  
 Yellow Jack  
 Your Health: Disease and Its Control  
 see also CANCER, SEX EDUCATION

## DIVING, see SWIMMING AND DIVING

## DOGS

Animal Town of the Prairie  
 Canine Eyes for the Blind  
 Man's Greatest Friend  
 Mother Mack Trains Her Seven Puppies  
 Pheasant Fever

Puppy Trouble  
 Retrievers at Work  
 Shep—The Farm Dog  
 Tippy—The Town Dog  
 Wonder Dogs in Action  
 see also ANIMALS: DOMESTICATED

## DRAMA

Acting Problems  
 Antony and Cleopatra  
 Antony and Cleopatra (Act III Scene  
 XIII)  
 Building a Set  
 Character Make-up for Men  
 Curtain Time  
 Directing a Play  
 Four Ways to Drama  
 Julius Caesar  
 Julius Caesar Act III, Scene 2  
 King Lear  
 Let's Go to the Movies  
 Make-up for Boys  
 Make-up for Girls  
 Make-up for the Theater  
 Make-up—Straight and Old Age  
 Man in the Barn, The  
 Marc Antony of Rome  
 Midsummer Night's Dream, An  
 Introduction to the Play  
 Midsummer Night's Dream, A (Act I,  
 II, III . . . Lover's Scenes)  
 Midsummer Night's Dream, A (Act V,  
 Scene I Pyramus and Thisbe)  
 Movies Are an Adventure  
 On Stage  
 One Way to Build a Flat  
 Othello (EPC)  
 Othello (UW)  
 Romeo and Juliet  
 Screen Actors, The  
 Screen Director  
 Shakespeare's Theater  
 Shakespeare's Theater: The Globe  
 Playhouse  
 Showtime  
 Sound Man, The  
 Stage-Make-up: Youthful Roles  
 Stagecraft: General Scenery  
 Construction  
 Stagecraft: Scenery Frame Construction  
 Stagecraft: Scenery Painting  
 Stagecraft: Stage Lighting  
 Tell-tale Heart, The  
 Thanksgiving Play  
 Theory of Make-up for the Theater  
 This Theater and You  
 Twelfth Night (Act II, Scene V)  
 Winter's Tale  
 see also DANCE, ART: CRAFTS AND  
 CREATIONS

## DRAWING, see ART: CRAFTS AND CREATIONS

## DRAWING—ENGINEERING

According to Plan  
 Draftsman, The  
 Drawing and the Shop  
 Orthographic Projection  
 Pictorial Sketching (Engineering  
 Drawing Series)  
 Sections and Conventions (Engineering  
 Drawing Series)  
 Selection of Dimensions  
 Simple Developments

## DRAWING—MECHANICAL

Auxiliary Views: Part I  
 Auxiliary Views: Part II  
 Auxiliary Views: Double Auxiliaries  
 Auxiliary Views: Single Auxiliaries  
 Behind the Shop Drawing  
 Drafting Tips  
 Draftsman, The  
 Drawing and the Shop  
 Introduction to Mechanical Drawing  
 Language of Drawing  
 Practical Lettering  
 Principles of Gearing  
 Principles of Scale Drawing  
 Reading a 3-View Drawing



Sectional Views and Projections, Finish Marks  
 Sections (Mechanical Drawing Series)  
 Shape Description Part I (Mechanical Drawing)  
 Shape Description Part II (Mechanical Drawing)  
 Size Description  
 Three Dimension Drafting  
 Visualizing an Object

## DRIVER EDUCATION

American Road, The  
 And Then There Were Four  
 Borrowed Power  
 Caution, Danger Ahead  
 City Driving  
 Cool Hot Rod  
 Delinquent Dad  
 Drive Defensively  
 Driver Training: Advanced Turning Movements  
 Driving Economically  
 Driving in the City  
 Driving on the Highway  
 Driving under Adverse Conditions  
 Driving under Special Conditions  
 Drunk Driving  
 Highway Driving  
 Hit and Run Driver  
 Home at the Wheel  
 Impact  
 Keeping Your Car Fit  
 Know Your Car  
 Lakewood Learns to Live  
 Last Date  
 Night and Bad Weather Driving  
 On the Level  
 Practice Makes Perfect Drivers  
 Problems of City Driving  
 Safe Driving: Advanced Skills and Problems  
 Safe Driving: Car Maintenance and Care  
 Safe Driving: Fundamental Skills  
 Safe Driving: Streets and Highways  
 Safe Driving: Techniques of the Skillful Driver  
 Safe Driving: The Defensive Driver  
 Short Stops  
 Signs of Life  
 Smooth Starts  
 Speed and Reflexes  
 Story of a Spark Plug, The  
 Story of Lubricating Oil  
 Where Mileage Begins  
 Your Permit to Drive  
 see also AUTOMOBILE OPERATION AND MAINTENANCE

## EARTH AND EARTH SCIENCE

Animals of the Ice Ages  
 Birth of the Soil  
 Birthplace of Icebergs  
 Challenge of the Oceans (Planet Earth Series)  
 Earth, The: Its Structure  
 Exploring the Ocean  
 Our Earth  
 Planet Earth, The  
 Radio Waves (Planet Earth Series)  
 Research by Rockets (Planet Earth Series)  
 Science in Space (Planet Earth Series)  
 Science of the Sea  
 Seasons, The  
 Seasons of the Year  
 Secrets of the Ice (Planet Earth Series)  
 Shape of the Earth (Planet Earth Series)  
 Spruce Bog, The  
 Succession—From Sand Dune to Forest  
 Surface of the Earth  
 What's Under the Ocean  
 White Flood

## EAST INDIES

Bali Today  
 Tropical Mountain Island—Java  
 see also INDONESIA

## ECONOMICS AND TRADE

Backfire

Capitalism  
 Cities: Why They Grow  
 Competition and Big Business  
 Credit—Man's Confidence in Man  
 Dangerous Dollars  
 I Went Back  
 In Their Own Hands  
 Understanding the Dollar  
 Which Way This Time?  
 Why Play Leapfrog

## ECUADOR, see SOUTH AMERICA

## EDUCATION—ADMINISTRATION AND SUPERVISION

All I Need Is a Conference  
 Board of Education  
 Children's Charter  
 Conference, The  
 Crowded Out  
 Fight for Better Schools  
 Point of Decision  
 School Board in Action  
 Schoolhouse in the Red  
 Wattsie  
 see also SCHOOL BUSES

## EDUCATION—ADULT EDUCATION

Adult Education  
 Beyond Teaching  
 Community Education  
 Liberal Education

## EDUCATION—AV EQUIPMENT AND MATERIALS, see AUDIO-VISUAL INSTRUCTION

## EDUCATION: ELEMENTARY SOCIAL STUDIES

Behind the Scenes at the Supermarket  
 Birthday Present to America  
 Children of the Wagon Train  
 Cities: How They Grow  
 City Highways  
 Clothes We Wear, The  
 Communication for Beginners  
 Communication: Story of Its Development  
 Community Keeps House, A  
 Fred and Billy Take an Airplane Ride  
 Fred Meets a Bank  
 Freight Train  
 Freighter at Sea  
 Freighter in Port  
 Fur Trapping of the North  
 Health in Our Community  
 Helpers in Our Community  
 Helpers Who Come to Our House  
 Hindu Family  
 Historic New England  
 History in Your Community  
 Holiday for Danny  
 Home and Family  
 How Our Country Grew  
 How the Desert People Live  
 How Water Helps Us  
 I Live on the Mojave Desert  
 Ice Cream  
 Land of Aztecs  
 Land of Incas  
 Lands and Waters of Our Earth  
 Law and Social Controls  
 Lesson in Courage  
 Let's Look at Maps  
 Life in a Fishing Village  
 Life in Ancient Greece: Role of the Citizen  
 Life in Cold Lands  
 Life in Hot, Dry Lands  
 Life in the Antarctic  
 Life in the Central Valley of California  
 Life in the Mountains  
 Life in the Nile Valley  
 Life in the Sahara  
 Life Line of the Nation  
 Life of a Philippine Family  
 Life of Nomad People  
 Life on a Cattle Ranch

Life on a French Farm  
 Life on a Sheep Ranch  
 Lighthouse  
 Little Diomedea  
 Lobstertown  
 Longshoreman  
 Maps: Coastal Symbols and Terms  
 Meaning of Patriotism, The  
 Mississippi River, The: Background for Social Studies  
 Moving Things on Land  
 New England Fisherman  
 New House, The: Where It Comes From  
 Newspaper Serves Its Community  
 Niagara Falls  
 Ocean Voyage  
 One Day on the Farm  
 Orange Grower, The  
 Our Big Round World  
 Our Community  
 Our Country's Emblem  
 Our Family Works Together  
 Our Part in Conservation  
 Our Post Office  
 Our Shrinking World  
 People Along the Mississippi  
 People of Greece  
 People of Mexico  
 People of Saba  
 People of Spain  
 People of the Arctic  
 People of the Congo  
 People of the Netherlands  
 People of the Reindeer  
 People of Western China  
 People Who Work at Night  
 Pioneer Boy of the Midwest  
 Pioneer Burro, The  
 Pioneer Community of the Midwest  
 Pioneer Home, A  
 Pioneer Journey Across the Appalachians  
 Pioneer Journey to the Oregon Country  
 Pioneers of the Plains  
 Plantation System in Southern Life  
 Policeman, The  
 Pony Express  
 Prairie, The  
 Rhine, Background for Social Studies  
 Shelter  
 Truck Driver, The  
 Truck Farm, The  
 Tugboats  
 Wanderers of the Desert  
 What Is a City?  
 What Our Town Does for Us  
 Your Doctor  
 Your Friend, the Doctor

## EDUCATION—GUIDANCE AND COUNSELING

Activity Group Therapy  
 Angry Boy  
 Importance of Goals  
 Individual Differences  
 Junior High Story, The  
 Mike Makes His Mark  
 Planning for Success  
 Problem Children  
 Self-Conscious Guy  
 Should I Go to College  
 Shy Guy  
 Student Life

## EDUCATION—GUIDANCE: PERSONAL

Act Your Age  
 Counseling Adolescents: Counselor's Day, A  
 Counseling Adolescents: Diagnosis and Planning Adjustments in Counseling  
 Counseling Adolescents: Using Analytical Tools  
 Counseling—Its Tools and Techniques  
 Social Acceptability

## EDUCATION—GUIDANCE VOCATIONAL

Agricultural Engineering—The Profession with a Future  
 Aptitudes and Occupations



Baking Industry  
C.P.A.  
Careers for Girls  
Careers in Agriculture  
Careers in Recreation  
Careers in the Building Trades  
Chiropractic Story  
Choosing Your Occupation  
Church Vocations  
College: Your Challenge  
Court Reporter  
Dedicated  
Dental Assistant—A Career of Service  
Do I Want to Be a Secretary?  
Electrician, The  
Engineering Research at the University of Illinois  
Finding the Right Job  
Finding Your Life Work  
Forest Smokechaser  
Forestry and Forest Industries Gateway  
Getting a Job  
Good Place to Work  
How to Investigate Vocations  
I Choose Chemistry  
I Want to Be a Secretary  
Laundering and Dry Cleaning  
Librarian, The  
Life Insurance Occupations  
Lumberman, The  
Mechanic, The  
Mechanical Aptitude  
Medical Technologist—Career  
Men of Science  
Music: Career or Hobby  
Nursing  
Painting and Decorating  
Personal Qualities for Job Success  
Pharmacist  
Photography  
Planning Your Career  
Printing  
Progress and Promise  
Restaurant Operator  
Selling as a Career  
Sheet Metal Worker  
Student Nurse  
Time for Tomorrow  
Vocational Distributive Education: The Program and the Plan  
What Greater Gift  
Woodworker

## EDUCATION—METHODS

Accent on Learning  
Backfire  
Broader Concept of Method Part I  
Developing Pupil Interest  
Broader Concept of Method Part II  
Teacher and Pupils Working Together  
Chalk and Chalkboards  
Characteristics of a Core Program  
Children Are Creative  
Children Learning by Experience  
Children Must Learn  
Civil Defense in Schools  
Community Resources in Teaching  
Concept of Function  
Correlating Music with Social Studies in the General Music Class  
Day in the Life of a Five-year Old  
Discussion in the Social Sciences  
Dry Mount Your Teaching Pictures  
Field Trip  
Field Trip to a Fish Hatchery  
Fire in Their Learning  
First Lesson (Gregg Shorthand)  
First Lessons  
Globes: Their Function in the Classroom  
Gregory Learns to Read  
Hickory Stick, The  
How to Make and Use Dioramas  
Individualizing Reading Instruction in the Classroom  
Instructional Films—The New Way to Greater Education  
Johnny's New World  
Language Teaching  
Learning A New Way  
Learning Is Searching  
Lincoln Field Trip, A

Maintaining Classroom Discipline  
Motivating the Class  
Near Home  
New Chapters  
New Tools for Learning  
Number Fields (Teacher Education in Modern Mathematics Series)  
Our Town Is Our Classroom  
Planning the Museum Field Trip  
Practicing Democracy in the Classroom  
Problem Methods: Part I Defining the Problem and Gathering Information  
Problem Methods: Part II Using Information to Solve the Problem  
Role Playing in Guidance  
Safely to School  
Sentences and Solution Sets (Teacher Education in Modern Mathematics Series)  
Skippy and the Three R's  
Social Studies Teaching Technique  
Spelling and Learning  
Student Government at Work  
Teachers?  
Today's Need In Arithmetic: A Mathematical Approach  
Understanding Movies  
We Plan Together  
World in a Schoolroom

## EDUCATION: OBJECTIVES AND PHILOSOPHY

And No Bells Ring  
Community Education  
Design for Physical Education in the Elementary School  
Design of American Public Education  
Desk for Billie  
Dropout, The  
Education for Democracy  
Education in America: 17th and 18th Centuries  
Education in America: Nineteenth Century  
Education in America: The Twentieth Century  
Education Is Good Business  
Horace Mann  
Inadequate School Facilities  
Leaders for Leisure  
Learning and Growth  
No Teacher Alone  
Passion for Life  
Planning for Teaching: Broader Concept of Curriculum  
Problem of Pupil Adjustment: Frustrated Student—The Drop Out  
Problem of Pupil Adjustment: Frustrated Student—The Stay In School and the Community, The (American Public Education Series)  
School in Centerville  
School Social Worker  
School—The Child's Community  
Schools March On  
Secure the Blessings  
Segregation in the Schools  
Sound of a Stone  
Teacher, The  
Three R's Plus  
Who Will Teach Your Child?  
Why Can't Jimmy Read?  
Why Study Foreign Languages?  
Why Study Home Economics?  
Why Study Industrial Arts?  
Why Study Latin?  
Why Study Science?  
Why Study Speech?

## EDUCATION: PSYCHOLOGY

Administering the Kuhlmann-Anderson Test  
Administration of Projective Tests  
Class for Tommy, A  
Color Categorizing Behavior of Rhesus Monkeys  
Common Fallacies About Group Differences  
Don't Be Afraid  
Don't Get Angry  
Genesis of Emotion  
Hickory Stick  
Learning and Growth

Learning Discriminations and Skills  
Motivation and Reward in Learning  
Psychology for Living: Facing Reality  
Psychology for Living: Habit Patterns  
Psychology for Living Series: Heredity and Family Environment  
Psychology for Living Series: Successful Scholarship  
Quiet One, The  
Reinforcement in Learning and Extinction  
Shyness  
Snap Out of It (Emotional Balance)  
Social-Sex Attitudes in Adolescence (Adolescence Development Series)  
The Standardized Test—An Educational Tool  
The Stanford-Binet Test  
Teens, The  
Testing Intelligence with the Stanford-Binet  
What Is Conscience?  
Who Is Sylvia?  
Willie and the Mouse  
see also ADOLESCENCE, CHILD STUDY

## EDUCATION—SPECIAL EDUCATION

Education of Exceptional Children  
Education Plus—Cooperative Office Occupations  
First Steps  
Gifted Ones, The  
Good Speech for Gary  
Meeting the Challenge of the Gifted  
My Child Is Blind  
Pathway into Light  
Pay Attention  
Physical Rehabilitation  
Report on Donald  
Second Sight  
Speech Training for the Handicapped Child  
Thursday's Children

## EDUCATION—TRAINING

American Teacher, The  
And Gladly Teach  
Appointment with Youth  
Elementary School Teacher Education Series: Curriculum Based on Child Development  
Elementary School Teacher Education Series: Developmental Characteristics of Preadolescents  
Elementary School Teacher Education Series: Elementary School Children Part I: Each Child Is Different  
Elementary School Teacher Education Series: Elementary School Children, Part II: Discovering Individual Differences  
Elementary School Teacher Education Series: Making Learning More Meaningful  
Elementary Teacher: Beginning Student Teaching  
Helping Teachers to Understand Children: Part I  
Helping Teachers to Understand Children: Part II  
Introduction to Student Teaching  
Legal Control and Discipline of Public School Pupils, The  
Legal Liability of Teachers for School Accidents  
Link in the Chain  
Not by Chance (NEA)  
Planning for Teaching: Effective Learning in Elementary School  
Planning for Teaching: Guiding the Growth of Children  
Planning for Teaching: Planning for Personal and Professional Growth  
Planning for Teaching: Promoting Pupil Adjustment  
Preparation of Teachers  
Teacher as Observer and Guide, The  
Teacher's Crisis  
Teachers for Tomorrow  
Teaching  
Tips for Teachers  
You and Your Classroom

**EGYPT**

Colorful Cairo  
 Egypt  
 Egypt and the Nile  
 Egypt—Kingdom of the Nile  
 Egypt—Yesterday  
 Land of the Pyramids  
 Land of Time  
 Life in the Nile Valley  
 Nile River Basin and People of the  
 Upper River  
 Nile River Valley and the People of  
 the Lower River

**ELECTIONS, see CIVICS****ELECTRIC POWER**

Electrical Circuit Faults  
 Electrical Work Wiring: Installing  
 Conduit  
 Electrical Work Wiring: Repairing  
 Old Buildings for Wiring  
 Electrical Work Wiring: Wiring Old  
 Buildings with Armored Cable  
 Electrodynamics  
 Electromagnets  
 Electron, The  
 Electrons  
 Electrostatics  
 Magnetic Effects of Electricity

**ELECTRICITY**

Amperes, Volts, and Ohms:  
 Elementary Electricity  
 Basic Electricity  
 Battery Electricity  
 Current and Electromotive Force:  
 Elementary Electricity  
 Diode  
 Electric Circuits  
 Electricity (GA)  
 Electricity All About Us  
 Electromagnets: How They Work  
 Electron, The  
 Electrons  
 Electrostatics  
 Elements of Electrical Circuits  
 Elements of Electricity  
 Exploring Electromagnetic Energy  
 Flow of Electricity  
 Inductance  
 Introduction to Electricity  
 Learning about Electric Current  
 Magnetic Effects of Electricity  
 Making Electricity  
 Measurement of Electricity  
 Ohm's Law (C)  
 Ohm's Law (UW)  
 Primary Cell, The  
 Series and Parallel Circuits  
 Sources of Electricity  
 Story of Electricity  
 Triode  
 Vacuum Tubes: Electron Theory  
 and the Diode Tube  
 What Is Electricity?  
 Wire Size and Voltage Drop

**ELECTRONICS**

Basic Electronics  
 Cathode-Ray Oscilloscope  
 Cathode Ray Tube, The: How It Works  
 Checking the Electrical System  
 Circuit Testing with Meters and  
 Multimeters: Practical Application  
 Current and Electromotive Force:  
 Elementary Electricity  
 Diode  
 How Television Works  
 Ohm's Law (C)  
 Ohm's Law (UW)  
 Principle of the Generator  
 Principles of Ultrasonics  
 Safety Precautions for Electronics  
 Personnel  
 Semi-Conductors (Part I) Diodes and  
 Triodes  
 Semi-Conductors (Part II) Low  
 Frequency Amplification  
 Three Wire Service Entrance

**ELEPHANTS**

Boy of India, A: Rama and His  
 Elephant  
 Elephant Babies  
 Elephants  
 see also ANIMALS: WILD

**EMBRYOLOGY**

Development of the Chick Embryo

**ENGINEERING**

According to Plan  
 Analytical Balance and Its Use, The  
 Earth Movers  
 Engineering  
 Engineering, Career for Tomorrow  
 Engineering Research at the  
 University of Illinois  
 Fixed Gages  
 Gage Blocks and Accessories  
 Getting Acquainted with Engineering  
 Hoover Dam  
 Indirect Measurement

**ENGINES, see AUTOMOBILE  
OPERATION; DIESEL****ENGLAND**

Battle of Britain  
 Britain and Her Empire  
 British Factory Foreman  
 British Isles  
 British Isles, The: Land and the  
 People  
 British Mill Owner  
 British Monarchy  
 British Trade and Industry  
 Canals of England  
 Children of Scotland  
 Commonwealth of Nations  
 Cornish Valley  
 Elizabethan England  
 England  
 England: Background of Literature  
 England of Elizabeth, The  
 English Criminal Justice  
 English History: Absolutism and  
 Civil War  
 English History: Nineteenth Century  
 Reforms  
 English History: Norman Conquest  
 to the Fifteenth Century  
 English History: Restoration and  
 Glorious Revolution  
 English History: Tudor Period  
 English Influences in the United States  
 English Inns  
 English Pageantry  
 Forward a Century  
 General Election  
 Goddess of Merchants  
 Growth of London  
 Historic St. Paul's  
 Industrial Revolution in England  
 Introducing the United Kingdom  
 Last Day of an English Queen, The  
 London (IFI)  
 London, City of Tradition  
 Magna Carta Part I: Rise of the  
 English Monarchy  
 Magna Carta Part II: Revolt of the  
 Nobles and the Signing of the  
 Charter  
 Meaning of the Industrial Revolution,  
 The  
 Mr. Christian Seizes the Bounty  
 Night Mail  
 Shrine of a Nation: Westminster  
 Abbey  
 Sir Francis Drake  
 So This Is London  
 Traditional England  
 Trooping the Colour  
 Welfare of the Worker  
 Westminster Abbey  
 Wings to Britain

**ENGLISH LANGUAGE**

American Spoken Here

Articulatory Movements in the  
 Production of English Speech Sounds:  
 Part I Consonants  
 Articulatory Movements in the  
 Production of English Speech Sounds:  
 Part II Vowels  
 Better Choice of Words  
 Blow, Wind, Blow  
 Describing an Incident  
 Do Words Ever Fool You  
 English Language: Story of Its  
 Development  
 Exact Small Things, The  
 Flipper, the Seal  
 Fluffy, the Ostrich  
 From Sentences to Paragraphs  
 Fun with Speech Sounds  
 Grammar: Verbs and Ways We Use  
 Them  
 How to Judge Authorities  
 How to Judge Facts  
 How to Observe  
 Hunter and the Forest, The  
 Improve Your Pronunciation  
 Language Teaching  
 Let's Read Poetry  
 Making Sense with Outlines  
 On the Way to School  
 One Rainy Day  
 Peddler and the Monkeys, The  
 (Acting Out Stories)  
 Punctuation—Mark Your Meaning  
 Say What You Mean  
 Sentences That Ask and Tell  
 Something to Write About  
 Spelling Is Easy  
 Stories of Holland  
 Story Acting Is Fun  
 Story Telling: Can You Tell It in  
 Order  
 Style in Writing  
 Verbs: Principal Parts  
 Verbs: Recognizing and Using Them  
 Watch That Quotation  
 We Discover the Dictionary  
 Who Makes Words  
 Why Punctuate  
 Wide, Wide Sea, The  
 Winkie, The Merry-Go-Round Horse  
 Word Building in Our Language  
 Writing Better Social Letters  
 Writing Forceful Sentences, Part I  
 Writing Forceful Sentences, Part II  
 see also GRAMMAR, SCHOOL  
 SKILLS

**ENGLISH LITERATURE**

Alice in Wonderland  
 Charles Dickens: Background for His  
 Works  
 Charles Dickens Christmas, A  
 Chaucer's England  
 Choosing Books to Read  
 Christmas Carol  
 David Copperfield: The Boy  
 David Copperfield: The Man  
 English Literature: Chaucer and the  
 Medieval Period  
 English Literature: The Elizabethan  
 Period  
 English Literature: The Romantic  
 Period  
 English Literature: The Seventeenth  
 Century  
 English Literature: The Victorian  
 Period  
 Great Expectations  
 Heidi  
 How Green Was My Valley  
 Kidnapped  
 Lady of the Lake: Background for  
 Literature  
 Les Misérables  
 Literature Appreciation: English Lyrics  
 Macbeth  
 Master Will Shakespeare  
 Memories of Shakespeare  
 Mutiny on the Bounty  
 Mystery of Edwin Drood  
 Poems Are Fun  
 Pride and Prejudice  
 Rime of the Ancient Mariner  
 Scotland: Background of Literature  
 Sea, The: Background for Literature



Story Tellers of the Canterbury Tales  
Tale of Two Cities  
Thomas Hardy Country  
Treasure Island  
Two Years before the Mast  
W. B. Yeats—A Tribute  
William Shakespeare  
William Shakespeare: Background for  
His Works  
see also AMERICAN LITERATURE;  
GRAMMAR; SCHOOL SKILLS

## ENTERTAINMENT FILMS— CARTOONS, COMEDIES

Abou Ben Boogie  
Ace in the Hole  
Aladdin and the Wonderful Lamp  
Ali Babba and the Forty Thieves  
Alias St. Nick (OF)  
All American Mickey  
Alphabet Antics  
Andy Panda's Pop  
Andy's Blacksmith Shop  
Andy's Garden  
Animated Cartoons: The Toy That  
Grew Up  
Apple Andy  
Barber of Seville (Woody  
Woodpecker)  
Bathing Buddies  
Beach Nut (Woody Woodpecker)  
Bean Stalk Jack  
Big Bad Wolf, The  
Big Game Hunt  
Billy Goat Whiskers  
Boogie Woogie Sioux  
Brave Tin Soldier  
Briar Rose  
Buck Cheeser  
Bug Carnival  
Bugs Beetle  
Bullfight, The  
Bully Frog, A  
Bully Romance, A (Gandy Goose)  
Candy Town  
Champion, The  
Chew Chew Baby  
Chimp on the Farm  
Chimp, the Cowboy  
Chimp, the Fireman  
Chimp, the Sailor  
Choo Choo  
Cinderella  
Close Shave, A  
Code of the West  
Cow Cow Boogie  
Cowboy Justice  
Cracked Nut, The  
Crazy House (Andy Panda)  
Crocodile Thrills  
Crow Crazy  
Cuckoo Clock That Wouldn't Cuckoo,  
The  
Cure, The  
Danger Trail  
Devil of the Deep  
Dippy Diplomat (Woody Woodpecker)  
Dizzy Acrobat  
Dizzy Kitty  
Dog Wanted  
Don Quixote  
Down with Cats  
Dumb Like a Fox  
Eggcracker Suite  
Eliza on Ice  
Enchanted River  
Farmyard Whoopee  
First Snow  
Fish Fry  
Flying Fever  
Football Jamboree  
Fox Hunt  
Frame-up  
Gallop Hoofs  
Gandy's Adventure  
Gay Gaucho  
Giant Killer, The  
Gold Rush Mickey  
Goodbye, Mr. Moth  
Goose Flies High  
Great Magician  
Hams That Couldn't Be Cured  
He Dood It Again (Mighty Mouse)  
Health Farm (Farmer Al Falfa)  
Heart of the West

High Flyers  
Hitch Hikers  
Hold 'Em Cowboy  
Holiday Land  
Hollywood Matador  
Hot Sands  
Howdy Doody's Christmas  
In Darkest Africa  
It Happened to Crusoe  
It Must Be Love  
Jail Birds  
Jekyll and Hyde Cat  
Jerry Pulls the Strings  
Johnny at the Fair  
Juke Box Jamboree  
Jungle Jive  
Just Ask Jupiter  
Kitty Gets the Bird  
Knock, Knock  
Lion and the Mouse, The  
Lion Hunt, The  
Lion Tamer, The  
Little Black Sambo  
Little Red Hen, The  
Loan Stranger  
Magic Forest, The  
Magic Pencil  
Man's Best Friend  
Mary's Little Lamb  
Mayflower, The  
Meatless Tuesday  
Mice in Council  
Mickey and the Giant  
Mickey and Simon Legree  
Mickey Gives a Party  
Mickey Plays Santa Claus  
Mickey's Trick Horse  
Midget Car Maniacs  
Mighty Mouse Rides Again  
Money Muddlers  
Mother Goose on the Loose  
Mouse of Tomorrow (Mighty Mouse)  
Mouse Trappers  
Mousie Come Home  
Mudder and Fodder  
New Janitor (UW)  
Nutty Pine Cabin  
Oh My Aching Tooth  
Old Mother Hubbard  
Oysters and Muscles  
Owl and the Pussy Cat  
Painter and the Pointer  
Pandora's Box  
Pantry Panic  
Peg Leg Pete, the Pirate  
Peter Cottontail  
Phonie Cronies  
Pied Piper of Basin Street  
Pinch Me Please (Abbott and Costello)  
Pincushion Man  
Poet and the Peasant (Andy Panda)  
Poll and Jimmy in Wonderland  
Rasslin' Match  
Reckless Driver  
Redwood Sap  
Revenge on the Range  
Rex, King of the Sierras  
Ride 'Em Cowboy  
Riot on Ice  
Screwball, The  
Simple Simon  
Sinbad, the Sailor  
Smoked Hams  
Snookum Bears on a Rampage  
Solid Ivory  
South Pole or Bust  
Stampede  
Stray Lamb  
Syncopated Sioux  
Texas Trail Treachery  
Their Last Bean  
Three on the Trail  
Tiger Fangs  
Trailer Life (Farmer Al Falfa)  
Wacky Weed, The  
Walt Disney Cartoon Parade #6  
Well-Oiled  
When the Wind Blows  
Who's Cooking Who (Woody  
Woodpecker)  
Wild and Woolly West  
Wolf! Wolf!  
Woodcutter's Willful Wife  
Woody Dines Out (Woody  
Woodpecker)  
Woody Plays Santa Claus

Woody, the Giant Killer (Woody  
Woodpecker)  
Wreck of the Hesperus (Mighty  
Mouse)

## ENTERTAINMENT FILMS—SPORTS

Aqua Frolics  
Basketball: Basketeers  
Basketball: Court Craft  
Daredevils on Ice  
Day of the Fight  
Football Parade of 1945  
Football Parade of 1949  
Football Thrills of 1943  
Kentucky Derby Story  
Living Dangerously  
Madison Square Garden  
Magicians of India  
Olympic Games—1952  
Olympic Winter Thrills  
Pigskin Champions  
Speedway  
Sport's Golden Age  
Sports 'Round the Globe  
Sports Spellbinders  
Sun Valley Ski Chase  
Thrill a Second, A  
Water Daredevils  
Winter Sports  
World Series, 1946  
World Series of 1947 (Short Version)  
World Series, 1947 (IHAA)  
World Series of 1948 (IHAA)  
World Series of 1949 (IHAA)  
World Series of 1950 (IHAA)  
World Series of 1951 (IHAA)  
World Series of 1952 (IHAA)

## ENTERTAINMENT FILMS— TRAVELOGUES

Beautiful Banff and Lake Louise  
Bermuda Holiday  
Big Party  
Bryce, Zion, and Grand Canyon  
Buenos Aires—Montevideo  
Calgary Cowboy Stampede  
California Picture Book  
Canyon Country  
Caribbean Holiday  
Escape in Canada  
Florida Holiday  
Glacier National Park  
Glacier Park and the Canadian Rockies  
Good Neighbors  
Grand Canyon  
Historic Virginia  
Holiday in Nassau  
Islands of the West Indies  
Isles of the Caribbean  
Killers of the Sea  
Men of Gloucester  
Mexico  
Mexico Serenade  
New England Holiday  
On the Trail  
Paris—New York  
Skyline New York  
Top Liner  
Tournament of Roses Parade 1952  
Tunisian Travels  
Washington Parade  
White House (RKO)  
White House, The: Past and Present  
Wings to Bermuda  
Wings to Britain  
Wings to Haiti  
Wings to Hawaii  
Wings to Ireland  
Wings to Italy  
Wings to Italy: Land of Enchanted  
Fountains  
Wings to Vikingland  
Wonder House  
Yellowstone  
Yellowstone and the Grand Tetons  
Yosemite  
Your Indiana State Parks

## EROSION, see CONSERVATION

## ESKIMOS

Eskimo Children  
Eskimo Family

Eskimo in Life and Legend (The Living Stone)  
 Eskimo Sea Hunters—Northwestern Alaska  
 Eskimo Summer  
 Eskimos (Winter in Western Alaska)  
 Land of the Long Day  
 Little Diomedea  
 Nanook of the North  
 Next Door to Siberia  
 see also ARCTIC AND ANTARCTIC

## **ETHICS—see RELIGION AND ETHICS**

## **ETIQUETTE**

Date Etiquette  
 Dating: Do's and Don'ts  
 Dinner Party  
 Good Table Manners  
 Johnny Learns His Manners  
 Junior Prom  
 Table Manners  
 see also COURTESY

## **EUROPE**

Europe at Your Window  
 Europe Looks Ahead  
 Factories, Mines, and Waterways—Industrial Western Europe  
 Farms and Towns of Slovakia—Danube River  
 Faroe Islands Family  
 Introducing Luxembourg  
 Mary Visits Poland  
 Poland: Land Under Communism  
 Scandinavia—Norway, Sweden, Denmark  
 Scandinavian Lands: Norway, Sweden, Denmark  
 This Is Finland  
 Western Europe: An Introduction  
 Wings to Finland  
 Wings to Vikingland  
 Yugoslav Village  
 Yugoslavia  
 see also names of countries

## **EUROPE: HISTORY TO 1492**

Beginnings of History  
 Chaucer's England  
 Crusades, The  
 Elizabethan England  
 English History: Earliest Times to 1066  
 English History: Nineteenth Century Reforms  
 English History: Norman Conquest to the Fifteenth Century  
 English History: Restoration and Glorious Revolution  
 English History: Tudor Period  
 Final Hours of Joan of Arc, The  
 Holy Roman Empire, The  
 Lascaux, Cradle of Man's Art  
 Leonardo da Vinci—Giant of the Renaissance  
 Magna Carta Part I: Rise of the English Monarchy  
 Magna Carta Part II: Revolt of the Nobles and the Signing of the Charter  
 Pompeii and Vesuvius  
 Prehistoric Man in Northern Europe

## **EUROPE: HISTORY 1492-1900**

Austria  
 Conquest  
 Dr. Pinel Unchains the Insane  
 Imperialism and European Expansion  
 Land of Our Forefathers  
 Napoleonic Era, The  
 Napoleon's Return from Elba  
 Reformation, The  
 Rise of Nations in Europe  
 Tragedy of John Milton, The (You Are There)

## **EUROPE: HISTORY 1900 TO PRESENT**

Airlift—The Cold Decade  
 Battle of Britain

Causes and Immediate Effects of the First World War, The  
 Chamberlain at Munich  
 Coronation of Pope Pius XII  
 D-Day  
 Divide and Conquer  
 Dutch Tradition, The  
 First Moscow Purge Trials, The  
 French Campaign  
 Germany Invades Austria  
 Germany Surrenders  
 Hitler Invades Poland  
 I Went Back  
 Invasion of Fortress Europe—Rome Falls to the Allies  
 Keeping the Peace  
 Liberation of Paris  
 My Trip Abroad  
 Nightmare in Red  
 Prelude to War  
 Road to Berlin  
 Tito, Our Ally?  
 Trial at Nuremberg  
 Turn of the Century (20th Century)  
 Week that Shook the World (20th Century)  
 Will Europe Unite?

## **EXPLORERS**

La Salle  
 Stanley Finds Livingstone  
 Story of Christopher Columbus  
 see also AMERICAN HISTORY

## **EYES**

Eyes and Their Care  
 Eyes Bright  
 Eyes for Tomorrow  
 Eyes: Their Structure and Care  
 How the Eye Functions  
 How You See It  
 See Better: Healthy Eyes  
 Your Children's Eyes  
 Your Eyes

## **FAIRS, see CIRCUSES AND FAIRS**

## **FAMILY**

Date with Your Family, A  
 Earning Money while Going to School  
 Expectant Father  
 Fair Chance (Parthenon)  
 Family, The  
 Family Affair  
 Family—An Approach to Peace  
 Family Circles  
 Family Life  
 Family Life: Chance Date  
 Family Life: Dad's Wish  
 Family Life: Earning and Giving  
 Family Life: Gang Raids the Orchard  
 Family Life: Gift from Dad  
 Family Life: Homer and the Kid Brother  
 Family Life: Homer Starts to Work  
 Family Life: of Skates and Elephants  
 Family Teamwork  
 Friendship Begins at Home  
 Getting Along with Parents  
 Good Neighbor Family  
 Human Beginnings  
 Life with Grandpa  
 Maine Harbor Town (U. S. A.—Northern New England)  
 Making a Decision in the Family  
 Marriage and Divorce  
 Nobody's Children  
 Obligations  
 Our Changing Family Life  
 Parents Are People Too  
 Prenatal Care

## **FAMILY—FOREIGN**

Adan of the Andes, Peru  
 Family of Amsterdam, A  
 Family of India  
 Good Neighbor Family  
 Hindu Family  
 Jack's Visit to Costa Rica  
 Japanese Family

Roots of Happiness (IBF)  
 Search, The  
 Swedish Family Story

## **FARM, see AGRICULTURE**

## **FEUDALISM, see MEDIEVAL HISTORY and EUROPE HISTORY**

## **FINGER PAINTING, see ARTS**

## **FIRE AND FIRE PREVENTION**

Before the Alarm  
 Cause for Alarm  
 Combustion  
 Damage Control: Chemistry of Fire  
 Damage Control: School of the Fire Fighter  
 Fight that Fire  
 Fire (EB)  
 Fire (GA)  
 Fire (Jr. Science Series)  
 Fire Fighting for Householders  
 Fire in Their Learning  
 Fire! Patty Learns What to Do  
 Fire Prevention in the Home  
 Fire Safety Is Your Problem  
 Fire Science  
 Firehouse Dog  
 In Case of Fire  
 Men of Fire  
 One Match Can Do It  
 Outlawing Farm Fires  
 Smoke Eaters  
 Smokejumpers  
 Smokey the Bear  
 Tony Learns about Fire  
 Where There's Smoke  
 Why (JO)

## **FIRST AID**

Accident Behavior  
 Checking for Injuries  
 Essentials of First Aid  
 First Aid: Fundamentals  
 First Aid on the Spot  
 Fundamentals of First Aid  
 Help Wanted  
 Rescue Breathing

## **FISH**

Bob Gaffner, Fisherman's Helper  
 Catching, Filleting and Packaging Fish  
 Field Trip to a Fish Hatchery  
 Fish and their Characteristics  
 Fish are Interesting  
 Fish Family, A  
 Fish is Food  
 Fish Out of Water  
 Fishing Fun  
 Mr. Stickleback  
 Sunfish  
 These Fish Are Yours  
 Tight Lines  
 World of Water  
 see also MARINE LIFE, AQUARIUMS and HUNTING AND FISHING

## **FLAG**

Flag Speaks, The  
 Our Country's Flag  
 Stars and Stripes on Display  
 Story of our Flag, The

## **FLIES**

Biology of Domestic Flies  
 Goodbye Fly  
 Housefly  
 Life Cycle of a Fly

## **FLOWERS**

Flower Arrangements for the Home: Part I  
 Flower Arrangements for the Home: Part II



Flowers at Work  
Growth of Flowers  
Mums the Word for Year Round  
Profit  
Orchids and Other Flora of Tropical America

## FOLKLORE

Folklore Research  
Johnny Appleseed: A Legend of Frontier Life  
Paul Bunyan and Johnny Inkslinger  
Paul Bunyan and the Blue Ox  
Tall Tales  
see also STORIES

## FOOD, see HOME ECONOMICS

## FOOTBALL

Ball Handling in Football  
Basic T Formation  
Better Football  
Big Ten Football Highlights  
Blocking in Football  
Clark Shaughnessy "T"  
Football for Millions  
Football Fundamentals: Blocking and Tackling  
Football Kicking Techniques  
Official Football  
Open T Formation

## FOREIGN LANGUAGE

Bellum Punicum Seeundum  
see also FRENCH, GERMAN, SPANISH

## FOREST AND FORESTRY

Above the Timberline  
Changing Forest, The  
Easier Ways of Logging  
Everyman's Empire  
Forest Conservation  
Forest Grows, The  
Forest Produces, The  
Forest Ranger  
Forestry and Forest Industries  
Forests and Conservation  
From Trees to Lumber  
From Trees to Paper  
Grass and Cattle  
It's a Tree Country  
Life in the Forest  
Lifeblood of the Land  
Lumber for Houses  
Lumber States  
Lumberman, The  
One Match Can Do It  
Paper  
Paper and Pulp Making  
Paper Making  
Piece of Wood, A  
Pulp and Paper from Canada  
Rainbow Valley: Story of a Forest Ranger  
Science and Wood Utilization  
Seasonal Changes in Trees  
Silent Killer  
Smokejumpers  
Smokey the Bear  
Timber Growing Today  
Treasures of the Forest  
Tree Bank  
Trees for Tomorrow  
Trees: How We Identify Them  
Use of Forests  
Vision in the Forest  
White Pine Blister Rust  
Your Friend the Forest  
see also PAPER

## FORMOSA

Family of Free China (Bailey)  
Formosa (MOT)  
Formosa—Blueprint for a Free China  
see also CHINA

## FOUNDRY, see INDUSTRY AND PRODUCTION

## 4-H

4-H and the Insect World  
4-H Camping in Illinois  
Man Enough for the Job  
National 4-H Club Congress  
Pig Projects Make Profits  
Share the Fun Breakfast

## FRACTIONS, see MATHEMATICS

## FRANCE

Ageless Paris  
Food for Paris Markets—France  
France  
France and Its People  
France: Background for Literature  
French Campaign of 1944  
French Children  
Introducing Francee  
Last Lesson, The  
Le Mont Saint—Michel  
Les Canaux  
Life on a French Farm  
Modern France: The Land and the People  
Paris: City of Art  
Paris 1900  
Paris: The Ageless City  
Paris: The City and the People  
Two Worlds of France: Paris and the Land Beyond  
Voici La France  
see also FRENCH LANGUAGE

## FRENCH LANGUAGE

A Paris (French Teaching Series)  
Accent Aigu: Au Restaurant  
Accent Aigu: Courses Et Achats  
Accent Aigu: L'Arrivee A Paris  
Accent Aigu: Visages De La Ville Lumiere  
Beginning French Conversation Series: L'Entente Cordiale  
Beginning French Conversation Series: Quelle Chance  
Beginning French: Intonation  
Cadet Rousselle  
Chantons Noël  
Chants Populaires No. 1  
Chants Populaires No. 2  
Dans Les Alpes (French Teaching Series)  
Dans Les Pyrenees (French Teaching Series)  
Depart de Grandes Vacances (French Teaching Series)  
En Basse Provence (French Teaching Series)  
En Bretagne (French Teaching Series)  
En Haute Provence (French Teaching Series)  
En Normandie (French Teaching Series)  
French for Beginners  
Histoire de Poissons (French Film Reader Series)  
Iei on Parle Français  
La Champagne (French Teaching Series)  
La Famille de Monsieur Rene, Perpignan  
La Famille Francaise Brunel  
La Famille Martin (French Film Reader Series)  
La Garonne (French Teaching Series)  
La Loire (French Teaching Series)  
La Rhone (French Teaching Series)  
La Seine (French Teaching Series)  
Le Massif Central (French Teaching Series)  
Le Merle  
Les Trois Ours  
Molly Visite Ses Cousins Parisiens  
P'Tit Jean S'En Va Aux Chantiers  
6,000 Inhabitants  
Sur Le Pont D'Avignon

Un Porte De Commerce (French Teaching Series)  
Une Famille Bretonne  
Vacances en Normandie

## FRONTIER LIFE

Amerian Pioneer, The  
Boy of a Frontier Fort  
Flatboatmen of the Frontier  
Oregon Trail, The  
Pioneer Spinning and Weaving  
Pony Express in America's Growth  
Settling the Great Plains  
Stagecoach, The  
Westward by Prairie Schooner  
Westward Movement, The (EB)  
see also AMERICAN HISTORY

## FUEL, see HEAT AND FUEL

## FUNGUS

Biological Science Series: Microbiology—Fungi  
Fungus Plants  
Pin Mold

## GAMES, see individual sports

## GARDENING

Grow Your Own  
Taking Care of Our Garden

## GAS, see HEAT AND FUEL, PETROLEUM

## GENETICS

Principles of Genetics Series:  
Allelism and Lethals  
Bacterial Genetics: Clones  
Bacterial Genetics: Genetic Transduction  
Bacterial Genetics: Sexual Reproduction  
Biochemical Genetics I  
Biochemical Genetics II  
Biochemical Origin of Terrestrial Life  
Changes in Genome Number  
Chromosome Addition and Subtraction  
Chromosome Chemistry and Genetic Activity  
Crossingover, Chiasmata, and Genetic Maps  
Crossingover in Terms of Meiosis  
Cytogenetics of Denothera  
Cytoplasmic Heredity  
Developmental Genetics I  
Developmental Genetics II  
DNA Structure and Replication  
Expression and Interaction of Genes  
Gene Structure and Gene Action  
Genetic Loads in Mendelian Populations  
Genetics of Mendelian Populations  
The Genetics of Race  
Heredity and Variation  
Human Traits Showing Simple Mendelian Inheritance  
Inbreeding and Heterosis  
Independent Segregation  
Interspecific Hybridization and its Consequences  
Linkage  
Meiosis  
Mendel's Proof of the Existence of Genes  
Mitosis  
Multiple Factor Inheritance  
Mutagen—Induced Gene Mutation  
Nucleo-Cytoplasmic Relations in Paramecium  
Origin of Species  
Pleiotropism, Penetrance and Expressivity  
Pseudoallelism  
Selection, Genetic Death, and Genetic Radiation Damage

Sex Determination I  
 Sex Determination II  
 Sex-Linked Inheritance  
 "Spontaneous" Gene Mutation  
 Structural Changes in Chromosomes I  
 Structural Changes in Chromosomes II  
 Twins, Nature and Nurture  
 Variegated Pericarp, and Unstable  
 Allele in Maize  
 Virus Genetics: Bacteriophage  
 Virus Genetics: Plant and Animal  
 Viruses  
 see also BIOLOGY, BOTANY,  
 ZOOLOGY

## GEOGRAPHY

Geography from the Air  
 Jungles of the World  
 Maps for a Changing World  
 Maps: Land Symbols and Terms  
 Where on Earth  
 see also names of continents and  
 countries

## GEOLOGY

Animals of the Ice Ages  
 Birth of a Volcano  
 Bryce Canyon National Park  
 Continental Glaciers  
 Earth, The: Its Structure  
 Earthquake Research  
 Earth's Rocky Crust, The  
 Erosion by Wind and Water  
 Face of the Earth  
 Geological Work of Ice  
 Gift of the Glaciers  
 Glacier National Park  
 Glacier Park Studies  
 Glaciers (NF)  
 Grand Canyon (IFT)  
 Krakatoa  
 Lassen Volcanic National Park  
 Limestone Caverns  
 Making of the River, The  
 Mt. Rainier National Park  
 Mountain Building  
 Mountains of Fire  
 Paricutin Volcano  
 Pompeii and Vesuvius  
 Rocky Mountains—Continental Divide  
 Sculpture of Land by Rivers  
 Secrets of a Volcano  
 Story of the Mountains  
 10,000 Feet Deep  
 Wearing Away of the Land  
 What Is Soil?  
 Work of Rivers  
 Yosemite

## GEOMETRY, see MATHEMATICS

## GERMAN LANGUAGE

Bauernvolk in Den Bergen  
 Der Rhein  
 Der Schwarzwald  
 Die Tiere in Der Stadt  
 Emil und die Detektive: Part I, Emil  
 Goes to Berlin  
 Emil und die Detektive: Part II, Emil  
 Meets the Gang  
 Emil und die Detektive: Part III,  
 Detectives in Action  
 Emil und die Detektive: Part IV, Thief  
 Is Caught  
 German Language Film #1  
 German Language Film #2  
 German Language Film #3  
 German Language Film #4  
 Hamburg, Die Hansestadt  
 Heidelberg  
 Oberbayern  
 Romantische Städte  
 Singendes Deutschland  
 Unsere Strasse

## GERMANY

Berlin: Out-post of Freedom  
 Berlin Powderkeg  
 Children of Germany  
 City out of Darkness

First Seize His Books  
 Germany (This World of Ours)  
 Germany: Feudal States to Unification  
 Germany Invades Austria  
 Germany: People of the Industrial West  
 Germany Surrenders  
 Germany—The Southern Uplands  
 (IFB)  
 Germany Today  
 Oberammergau  
 Policing Germany (McGH)  
 Rise and Fall of Nazi Germany  
 Twisted Cross, The  
 Western Germany: The Land and the  
 People

## GLACIERS, see GEOLOGY AND EARTH SCIENCE

## GLASS, see BUILDING AND MATERIALS

## GOLF

Faith, Hope, and Hogan  
 Golf Mistakes  
 In the Rough  
 Nine Bad Shots of Golf  
 Play Better Golf (2 parts)

## GOVERNMENT, see CIVICS, AMERICAN HISTORY AND AMERICAN GOVERNMENT

## GRAINS, see AGRICULTURE

## GRAMMAR

Better Choice of Words  
 From Sentences to Paragraphs  
 Grammar: Verbs and Ways We use  
 Them  
 Improve Your Punctuation  
 Making Sense with Sentences  
 Nouns and Verbs vs. Adjectives and  
 Adverbs  
 Sentences: Simple, Compound, Complex  
 see also SCHOOL SKILLS

## GRAPHS, see MATHEMATICS

## GREAT BRITAIN, see ENGLAND

## GREAT LAKES

Great Lakes  
 Great Lakes: Highway of Commerce  
 Great Lakes, The: How They Were  
 Formed  
 Great Lakes, The: Their Link with  
 Ocean Shipping

## GREECE

Around the Acropolis  
 Corinth Canal  
 Greece (MOT)  
 Greece (This World of Ours)  
 Greece: The Land and the People  
 Greek Children  
 Introducing Greece  
 Marshall Plan at Work in Greece, The  
 On Mediterranean Shores (Southern  
 Greece)  
 People of Greece

## GUATEMALA

Guatemala  
 Guatemala (Cross Section of Central  
 America)  
 Guatemala, Land of Looms  
 Guatemala: Nation of Central America  
 Guatemala Story  
 Hill Towns of Guatemala, The

## GUIDANCE, see EDUCATION

## GYMNASTICS

Advanced Tumbling  
 Beginning Tumbling  
 Gymnastics: Part I  
 Gymnastics: Part II  
 Headsprings in the Gym  
 Intermediate Tumbling  
 Rhythmic Exercises  
 Simple Stunts  
 Sofia Girls

## HAIR, see PERSONAL HEALTH AND HYGIENE

## HANDICRAFT, see ART; CRAFTS AND CREATIONS

## HAWAII

49th State  
 Hawaii  
 Hawaii—Our Next State  
 Hawaii—The 50th State  
 Hawaii, The Island State  
 Hawaii—The Sugar State  
 Hawaii, U.S.A.  
 Hawaiian Islands: Their Chief  
 Industries  
 Hawaiian Islands: Their Origin and  
 Nature  
 Hawaiian Native Life  
 Hawaii's History: Kingdom to Statehood  
 I Live in Hawaii  
 Wings to Hawaii

## HEALTH, see ALCOHOL & TOBACCO, DENTAL HEALTH, DISEASE, FIRST AID, MEDICINE, MENTAL HEALTH, NUTRITION, PERSONAL HEALTH & HYGIENE, PHYSIOLOGY, PUBLIC HEALTH, SEX EDUCATION

## HEARING

Ears and Hearing  
 Hear Better: Healthy Ears  
 Hear, Now  
 How We Hear  
 Your Children's Ears  
 Your Ears

## HEART, see PHYSIOLOGY

## HEAT AND FUEL

Gas for Home and Industry  
 Gasoline's Amazing Molecules

## HEREDITY

DNA: Molecule of Heredity  
 Development of Individual Differences,  
 The  
 Heredity  
 Heredity and Environment  
 Heredity in Animals  
 Human Heredity  
 see also GENETICS

## HISTORY, see AMERICAN HISTORY, ANCIENT WORLD HISTORY, BIOGRAPHY, EUROPE—HISTORY, MEDIEVAL HISTORY, also names of countries

## HOLIDAYS

Easter Season (church version)  
 Easter Season (school version)  
 Greatest Gift, The (an Easter film)  
 Merry Christmas (UW)  
 Special Days in February  
 Thanksgiving Play



## **HOME ECONOMICS, see CHILD CARE, MARRIAGE, SOCIAL SKILLS, HEALTH, HYGIENE, MEAT, MARKETING**

## **HOME ECONOMICS—CLOTH AND CLOTHING**

Basic Fibers in Cloth  
Bound Buttonholes  
Choosing Clothes for Health  
Christian Dior Story  
Clothes and You: Line and Proportion  
Clothing  
Clothing for Children  
Common Seams  
Costume Designer  
Dress for Health  
Fashion Means Business  
Hanging and Finishing a Hem  
How to Alter Your Skirt Pattern  
How to Alter Your Waist Pattern  
How to Attach Your Collar  
How to Cut Out Your Dress  
How to Get Fabric Ready for Sewing  
How to Get Ready to Sew  
How to Hem Your Dress  
How to Make a Buttonhole  
How to Make a Shawl Collar  
How to Make a Sleeve  
How to Make Belts and Buckles  
How to Make Collars  
How to Make Pockets  
How to Make Your Dress Skirt  
How to Make Your Waist Back  
How to Make Your Waist Front  
How to Match Plaid  
How to Measure for Your Dress  
How to Put a Sleeve in a Dress  
How to Put in a Zipper  
Insects Astray  
Joining a Waist to a Skirt  
Making Cotton Clothing  
Pattern Types  
Selection of Pattern and Fabrics  
Sewing  
Sewing: Advanced Seams  
Sewing: Characteristics and Handling of Materials  
Sewing: Fitting a Pattern  
Sewing: Fundamentals  
Sewing: Pattern Interpretation  
Sewing: Simple Seams  
Sewing: Slide Fasteners  
Silk Makers of Japan  
Spinning Wheel  
Synthetic Fibers  
Truly Yours: The Dress that Fits  
Waste Not—Want Not  
What Is Cloth?  
Yarn and Cloth Construction

## **HOME ECONOMICS—COOKING AND BAKING**

ABC's of Beef Cookery  
Bread  
Bread Making  
Community Bakery  
Cooking: Kitchen Safety  
Cooking: Measuring  
Cooking: Planning and Organization  
Cooking: Terms and What They Mean  
Curing Pork Country Style  
Freezing Fruits and Vegetables  
Good Egg  
Home Cookery of Fish  
It's Carving Time  
Kitchen Habits  
Let's Make a Cake  
Let's Make a Casserole  
Let's Make a Meal in Twenty Minutes  
Let's Make a Pie  
Let's Make a Salad  
Let's Make a Sandwich  
Main Dish, The  
Make Mine Chicken  
Preserving Food  
Principles of Baking  
Principles of Cooking  
Principles of Home Canning  
Treasures for the Making  
Wheel Chair Kitchen

## **HOME ECONOMICS—DINING AND ENTERTAINING**

Arranging the Tea Table  
Dining Together  
Dinner Party  
Good Table Manners  
Let's Give a Tea  
Menu Planning  
What Makes a Good Party

## **HOME ECONOMICS—ECONOMICS OF HOMEMAKING**

Better Living Through Research  
Home Electrical Appliances  
Home Management: Why Budget  
Installment Buying  
Lady of the Land  
Most for Your Money  
Selection of Fruits and Vegetables  
Three Squares, The  
Wise Buying  
World of Plenty  
Your Ticket to Better Buying

## **HOME ECONOMICS—FAMILY RELATIONS**

And Then Ice Cream  
Appreciating Our Parents  
Bright Side, The  
Family, The  
Getting Along with Parents  
Helping the Child to Accept the Do's  
Helping the Child to Face the Don'ts  
Marriage Council  
Sharing Work at Home  
Who Should Decide? (Areas of Parental Authority)  
You and Your Attitudes  
Your Children's Meals  
Your Family  
Your Family Budget

## **HOME ECONOMICS—FOODS AND NUTRITION**

America's Heritage of Hospitality  
Bill's Better Breakfast Puppet Show  
Catching, Filleting and Packaging Fish  
Cheese and Cheese Making  
Consumption of Foods  
Fish Is Food  
Fishery Products Standards  
Food  
Food and People  
Food that Builds Good Health  
Foods and Nutrition  
40 Billion Enemies  
Fresh From the West  
Fundamentals of Diet  
Home Management: Buying Food  
Know the Eggs You Buy  
Know the Poultry You Buy  
Know Your Foods  
Magic Alphabet  
Pork People Like  
Shrimp Please  
Shrimp Tips From New Orleans  
Something You Didn't Eat  
Story of Bananas  
Vitamin Rivers  
Vitamin Wise  
What We Eat We Are  
Yam Goes to Market, The

## **HOME ECONOMICS—HOME HEALTH AND SAFETY**

Accidents Don't Happen: Handling  
Danger Sleuths  
Fraud Fighters  
Home Nursing  
Home Nursing: Fundamentals  
Home Safe Home  
Insurance Against Fire Losses  
Safety Begins at Home  
Safety in the Home  
see also SAFETY EDUCATION

## **HOME ECONOMICS—HOME FURNISHINGS**

ABC's of Decorating Your Home  
How to Improve Your House  
Step Saving Kitchen, A

## **HOME ECONOMICS—PERSONAL CARE**

Love that Beauty  
Magic Alphabet  
Making the Most of Your Face  
see also ADJUSTMENT: PERSONAL AND SOCIAL

## **HORSES**

Harness Champions  
Horse and its Relatives  
Horse in North America, The  
Horse Raising  
Horsemen of the Pampas—Argentina  
Horsemen of the Western Trails  
Horses and Bots  
Pride—the Saddle Horse  
Red Stallion's Revenge  
see also AGRICULTURE: LIVESTOCK

## **HOUSING**

Baltimore Plan  
Basic Technique for Landscaping  
Building America's Houses  
The City  
Levittown, Pennsylvania  
Living City  
Shelter  
see also BUILDING AND MATERIALS, COMMUNITY LIFE

## **HUMAN RELATIONS**

American Girl, An  
Americans All  
Boundary Line  
Broken Appointment  
Burden of Truth  
Choosing a Leader  
Do Words Ever Fool You  
Escape to Freedom  
How to Get Cooperation  
How to Keep a Job  
Negro Soldier  
Neighbors  
Picture in Your Mind  
Public Relations  
Role Playing in Human Relations  
Segregation in the Schools  
Selling America  
Teamwork  
Whispers  
You Can't Run Away  
see also ADULT EDUCATION, CHILD STUDY, DISCUSSION PROBLEMS, EDUCATION, ETIQUETTE, FAMILY, LABOR & MANAGEMENT, MARRIAGE, RELIGION, ETHICS, SALESMANSHIP, INTERCULTURAL EDUCATION

## **HUNTING AND FISHING**

Big Country, Big Fish  
Channel Bass and Stripers  
Chesapeake Bay Retriever  
Fishing Is Fun  
Fishing Thrills  
Flying Targets  
Grey Trout  
Let's Go Fishing  
Making of a Shooter  
Pheasant Fever  
Retrievers at Work  
Tight Lines  
Waterways and Flyways of the North  
Wonder Dogs in Action

## **HYDRAULICS**

Basic Hydraulics  
Characteristics of Hydraulic Fluids  
Derivation of Pascal's Law, Part I  
Derivation of Pascal's Law, Part II  
Fluid Flow in Hydraulic Systems  
Hydraulics



Liquid in Motion  
Simple Hydraulics Systems

## **HYGIENE, see PERSONAL HEALTH AND HYGIENE, ALCOHOL AND TOBACCO**

## **ICELAND**

Introducing Iceland

## **INDIA**

Assignment India  
Benares, Hindu Heaven  
Boy of India: Rama and His Elephant  
Family of India  
Farmers of India: Middle Ganges  
Valley  
Giants of the Jungle  
Heritage of India  
Hindu Family  
India (This World of Ours)  
India and Pakistan: Lands and the  
People  
India: Asia's New Voice  
India: Customs in the Village  
India: Introduction to Its History  
India: Pakistan and the Union of India  
India's History: British Colony to  
Independence  
India's History: Early Civilizations  
India's History: Mogul Empire to  
European Colonization  
Jawaharlal Nehru  
Mahatma Gandhi  
Music of India  
Musical Instruments of India  
Report on Kashmir  
Where the Tiger Prowls

## **INDIANS**

American Indians Before European  
Settlement  
American Indians of Today  
Apache Indian  
Aztecs, The  
Boy of the Navajos  
Boy of the Seminoles  
Digging into History, Part I—  
Exploration  
Digging into History, Part II—An  
Early Illini  
Early American Civilizations  
Fallen Eagle  
Glimpse of the Past, A  
Grand Canyon (IFI)  
Hopi Indian, The  
Hopi Indian Arts and Crafts  
Hopi Indian Village Life  
Incas, The (C)  
Incas, The (HFE)  
Indian Dances  
Indian Family of Long Ago  
Indian Hunters  
Indian Life in the Southwest  
Indians of Early America  
Land of the Aztecs  
Land of the Incas  
Maya Are People  
Maya of Ancient and Modern Yucatan  
Mayas, The  
Meet the Sioux Indian  
Miracle on the Mesa  
Modern Chippewa Indian  
Navajo Canyon Country  
Navajo Children  
Navajo Country  
Navajo Indians (C)  
Navajo Indians (EB)  
Navajo Indians of the Painted Desert  
Old Chief's Dance  
Peaceful Ones  
People of Two Worlds  
Pueblo Boy  
Pueblo Heritage  
Rainbow of Stone  
Seminole of the Everglades  
Smoki Snake Dance  
Southwestern Indian Dances (This Land  
of Ours Series)  
Supai Indians  
Villages in the Sky

Warriors at Peace  
Weavers of the West  
Wooden Faces of Totonicapan  
Woodland Indians of Early America

## **INDONESIA**

Bali Today  
Indonesia, An Empire's Problem  
Indonesia: Land and the People  
Indonesia: New Nation of Asia  
Letter from Indonesia  
Nias and Sumatra: Islands of the  
Netherlands East Indies

## **INDUSTRIAL ARTS**

ABC of Hand Tools  
Drilling in Metal, Wood and Plastic  
Drilling to a Layout and Spotfacing  
Cast Iron  
Electrical Circuit Faults  
Electrical Work Wiring: Installing  
Conduit  
Electrical Work Wiring: Preparing Old  
Buildings for Wiring  
Electrical Work Wiring: Wiring Old  
Buildings with Armored Cable  
Giving a Shop Demonstration  
Hand Soldering  
Handicraft Town  
Industrial Arts: Boring and Drilling  
Tools  
Industrial Arts: Chisel and Gouges  
Industrial Arts: Joining and Gluing  
Industrial Arts: Knowing Woods and  
Their Uses  
Industrial Arts: Measuring and  
Squaring Tools  
Industrial Arts: Planes  
Industrial Arts: Safe Shop  
Industrial Arts: Using Nails and Screws  
Industrial Arts: Wood Finishing  
Introduction to Oxy-Acetylene Welding  
Joining Edges and End of Grain 90° to  
a Face  
Lathe, The  
Laying Out and Forming Plywood  
Laying Out Small Castings  
Micrometer, The  
Precision Gage Blocks  
Principal Dimensions, Reference  
Surfaces and Tolerances  
Principles of Gas-Filled Tubes  
Principles of Gearing  
Principles of Lubrication  
Reaming with Straight Hand Reamers  
Reconditioning a Grain Drill  
Repainting a Frame Building  
Repulsion Motor Principles  
Ripping and Crosscutting  
Shop Procedures  
Shop Safety  
Steel Rule, The  
Story of Arc Welding, The  
Turning a Taper with a Tailstock Set  
Over  
Turning Work Held on a Mandrel  
Turning Work of Two Diameters  
Turning Work on a Face Plate  
Use and Care of Hand Files  
Visualizing an Object  
Voltaic Cell, Dry Cell and Storage  
Battery  
Welding  
Welding Operator  
see also CRAFTS, AUTOMATION,  
BUILDING MATERIALS,  
AUTOMOBILE OPERATION AND  
MAINTENANCE, AVIATION,  
DIESEL, DRAWING,  
ELECTRICITY, ELECTRONICS,  
ENGINEERING, FOUNDRY,  
MACHINE SHOP AND METAL  
WORK, PRINTING, WELDING,  
WOODWORKING

## **INDUSTRIAL TRAINING AND RELATIONS**

All I Need Is a Conference  
Clerk, The (Nature of Work Series)  
Department Manager, The (Nature of  
Work Series)  
General Foreman, The (Nature of  
Work Series)

Good Place to Work  
Grievance, The  
Improving the Job  
Industrial Purchasing  
Inner Man Steps Out, The  
Instructing the Worker on the Job  
International Confederation of Free  
Trade Unions  
Introducing the New Worker to His Job  
Introduction to Foreign Trade  
It Takes Everybody to Build this Land  
It's Our Job  
It's Up to You  
Machine: Master or Slave  
Machinist and Toolmaker  
Maintaining Good Working Conditions  
Maintaining Quality Standards  
Maintaining Workers' Interest  
Man on the Assembly Line  
Materials Control (Industrial  
Organization and Management)  
Men at Work  
Motion Study Applications  
Motion Study in Action  
Motion Study Principles  
New Supervisor Takes a Look at His  
Job  
No Help Wanted  
Of Pups and Puzzles  
Personnel Management Series:  
Communication  
Employment Interview  
Grievance Hearing  
Job Evaluation and Merit Rating  
Supervisory Conferences  
Physical Facilities (Industrial Organiza-  
tion and Management Series)  
Placing the Right Man on the Job  
Planning and Laying Out Work  
Plant Supervisors' Problems Series:  
Delegating Work  
Enforcing Rules and Procedures  
Hidden Grievances  
Personal Problem  
Personality Conflict  
Trouble with Women  
Product Development (Industrial  
Organization and Management)  
Production Control, Part I (Industrial  
Organization and Management)  
Production Control, Part II (Industrial  
Organization and Management)  
Revival of the 100-Year-Old Farm  
Home  
Skilled Worker, The (Nature of Work  
Series)  
Supervising Women Workers  
Supervising Workers on the Job  
Supervision: Developing Cooperation  
Supervisor as a Leader, Part I  
Supervisor as a Leader, Part II  
Teamwork  
Technique for Tomorrow  
This Is Automation  
Vice President, The (Nature of Work  
Series)  
Working with Other Supervisors  
see also LABOR AND  
MANAGEMENT

## **INDUSTRY AND PRODUCTION**

Automatic Machines  
Drama of Steel  
Industry on Parade No. 2  
Industry on Parade No. 12  
Industry on Parade No. 36  
Industry on Parade No. 43  
Industry on Parade No. 44  
Industry on Parade No. 49  
Industry on Parade No. 53  
Industry on Parade No. 54  
Industry on Parade No. 59  
Industry on Parade No. 69  
Industry on Parade No. 71  
Industry on Parade No. 74  
Industry on Parade No. 78  
Industry on Parade No. 80  
Industry on Parade No. 82  
Industry on Parade No. 88  
Industry on Parade No. 89  
Industry on Parade No. 90  
Industry on Parade No. 91  
Industry on Parade No. 92  
Industry on Parade No. 96  
Industry on Parade No. 99



Industry on Parade No. 101  
 Industry on Parade No. 103  
 Industry on Parade No. 105  
 Industry on Parade No. 107  
 Industry on Parade No. 108  
 Industry on Parade No. 109  
 Industry on Parade No. 110  
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 Industry on Parade No. 144  
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 Industry on Parade No. 147  
 Industry on Parade No. 148  
 Industry on Parade No. 149  
 Industry on Parade No. 150  
 Industry on Parade No. 151  
 Industry on Parade No. 152  
 Industry on Parade No. 153  
 Industry on Parade No. 154  
 Industry on Parade No. 155  
 Industry on Parade No. 156  
 Inflation  
 Iron: Product of the Blast Furnace  
 It's Only the Beginning  
 It's the Maine Sardine  
 Job Evaluation (Industrial Organization and Management Series)  
 Looking Through Glass  
 Making Cotton Clothing  
 Making Glass (for houses)  
 Making Shoes  
 Melting and Refining of Stainless Steel  
 Methods Analysis  
 Our Productive Industry  
 Outboard Fisherman, U.S.A.  
 Oysters (silent)  
 Pacific Halibut Fishing  
 Pioneer of Progress  
 Precisely So  
 Productivity—Key to Plenty  
 Quality Control (Industrial Organization and Management)  
 Quality Control by Statistical Methods: Acceptance Sampling  
 Quality Control by Statistical Methods: Process Control  
 Safe Aircraft  
 Shell—Fishing  
 Stainless Steel  
 Story of Menhaden  
 Story of Steel, The  
 This is Automation  
 Turning Research into Power  
 Unfinished Rainbows  
 Vitamin Rivers  
 Whales and Whalermen

## INSECTS

Ant City  
 Ants  
 Aphids  
 Arachnids  
 Arthropods: Insects and Their Relatives  
 Battle of the Bugs  
 Beneath Our Feet  
 Billy's Useful Insects  
 Black Widow Spider  
 Block That Termite  
 Cecropia Moth

Cicada, The  
 Cicada—The Insect Methuselah  
 Deadly Spiders  
 Doomsday for Pests  
 Grass Blade Jungle  
 Grasshopper—a Typical Insect  
 Grasshoppers Can be Controlled  
 How Insects Help Us  
 Insect Collecting  
 Insect Foods  
 Insect Life Cycle  
 Insect Mounting and Preserving  
 Insect Zoo  
 Insects  
 Insects are Interesting  
 Insects as Carriers of Disease  
 Insects Astray  
 Introducing Insects (Butterflies, Beetles and Bugs)  
 Life Cycle of a Mosquito  
 Mosquito  
 Mosquitoes and Malaria  
 Moths  
 Pond Insects  
 Praying Mantis, The  
 Ridding the Farm of Flies  
 Rival World, The  
 Secrets of the Ant and Insect World  
 Secrets of the Bee World  
 Silk Makers of Japan  
 Spider Engineers  
 Spiders  
 Story of D.D.T.  
 Typical Garden Spider  
 Vegetable Insects  
 see also BEES, BUTTERFLIES, FLIES, MOSQUITOES

## INSURANCE

Casualty Insurance  
 For Some Must Watch  
 Insurance Against Fire Losses  
 Life Insurance Occupations  
 Matter of Time, A  
 Search for Security  
 Sharing Economic Risks  
 Yours Truly, Ed Graham

## INTERCULTURAL EDUCATION

Americans All  
 Booker T. Washington  
 Boundary Lines  
 Boy of Mexico  
 Brotherhood of Man  
 Color of Man  
 Don't Be A Sucker  
 Driven Westward  
 Immigration  
 One People  
 Our Town Is the World  
 Picture in Your Mind  
 Skipper Learns a Lesson  
 Sons of Liberty  
 Story of Dr. Carver  
 Tambo  
 The Town  
 see also CITIZENSHIP AND CIVIL RIGHTS, DEMOCRACY

## INTERIOR DECORATION, see HOME ECONOMICS: HOME FURNISHINGS

## INTERNATIONAL RELATIONS

Border Without Bayonets  
 Brotherhood of Man  
 Expanding World Relationships  
 In the Wake of the Armies  
 My Name Is Han  
 NATO Action for Defense  
 Nationalism  
 Our Town Is the World  
 Peace and Friendship in Freedom  
 Report to American People on Technical Cooperation  
 Seeds of Destiny  
 United States Customs Safeguards Our Foreign Trade  
 We Live in Two Worlds  
 World Affairs Are Your Affairs  
 World Balance of Power

## INVENTORS AND INVENTIONS

Draftsman of Dreams  
 Eli Whitney  
 Eli Whitney Invents the Cotton Gin  
 Inventions in America's Growth (1750-1850)  
 Inventions in America's Growth (1850-1910)  
 Man Who Changed the World, The  
 Out of the Dark  
 You Can Make a Million

## INVERTEBRATES, see ANIMALS: WILD and ZOOLOGY

## IRAN

Crisis in Iran  
 Iran: Between Two Worlds

## IRELAND

Ireland  
 Ireland: Land and the People  
 Irish Children (Rural Life in Western Ireland)  
 Visit to Ireland  
 Wings to Ireland

## IRRIGATION, see AGRICULTURE: CONSERVATION

## ISRAEL

Building a Nation  
 David Ben-Gurion  
 Holy Land, The: Background for History and Religion  
 Israel (This World of Ours Series)  
 Jerusalem, The Holy City  
 Jordan Valley  
 Palestine (MOT)  
 Today and Tomorrow

## ITALY

Appian Way, The  
 Art and Life in Italy  
 Artisans of Florence  
 Boy of Renaissance Italy  
 Earth Sings, The  
 Introducing Italy  
 Invitation to Music  
 Italian Children: Harvest Time in Umbria  
 Italian Interludes  
 Italian Peninsula  
 Italy (MOT)  
 Italy (This World of Ours Series)  
 Italy—Peninsula of Contrasts  
 Miracle of Cassino  
 Mussolini  
 Po River Valley (Italy)  
 Pompeii and Vesuvius  
 Proud Citadel  
 R—521  
 Renaissance, The (Its beginnings in Italy)  
 Rise of the Roman Empire  
 Rome  
 Rome—City Eternal  
 Rome—Cradle of Christianity  
 Rome, The Eternal City  
 Sicily, Island of Memory  
 Town Without Water  
 Venice  
 Venice, Queen City of the Adriatic  
 Wings to Italy  
 Wings to Italy: Land of Enchanted Fountains

## JAPAN

Bicycle Industry in Japan  
 Children of Japan  
 Holiday in Japan  
 Island Nation—Japan  
 Japan  
 Japan and Democracy  
 Japan: 80,000,000 Mouths to Feed  
 Japan Harvests the Sea  
 Japan: The Land and the People

Japanese Family  
Japanese Fishing Village  
Japanese Perimeter, The  
Rice Farming in Japan  
Silk Makers of Japan  
Yoshi No Yama (A Classical Japanese Dance)

**JAVA, see INDONESIA;  
EAST INDIES**

**JET PROPULSION, see AVIATION:  
SPACE; MECHANICS**

## **JOURNALISM**

Democracy's Diary  
Journalism  
Newspaper Serves Its Community  
Newspaper Story  
Spot News  
Story that Couldn't Be Printed

## **JUVENILE DELINQUENCY**

Boy in Court  
Children of the City  
Children on Trial  
Children's Village  
Discussion Problems: What About  
    Juvenile Delinquency?  
Vandalism  
Who's Delinquent?  
see also **CRIME AND CRIMINOLOGY**

## **KOREA**

Crime of Korea, The  
Korea, Long Road to Peace  
Korea Story, The  
Korean Backgrounds  
Korean People  
Korean Stalemate—The Cold Decade  
Why Korea?

## **LABOR AND MANAGEMENT**

Arbitration in Action  
Bargaining Collectively  
Basic Elements of Production  
Brother John  
Confidence (Film #2)  
Donora (Film #1)  
Dues and the Union  
Each for All  
Facts and Figures (Film #3)  
Fresh Wind Blows, A  
History of the IATSE  
Inflation  
Inner Man Steps Out, The  
Internal Organization (Industrial  
    Organization and Management Series)  
International Confederation of Free  
    Trade Unions  
It's Up to You (Supervisory Training  
    Film)  
Joe Davis, American  
Labor Movement, The: Beginnings and  
    Growth in America  
Labor's Witness  
Legislation (Film #4)  
Local 100  
Men at Work  
Rise of Organized Labor  
Risk and Forecasting (Industrial  
    Organization and Management Series)  
Shop Steward  
Strike in Town  
Technique for Tomorrow  
This Is the S. I. U.  
Twenty-four Hours  
Unemployment (Film #5)  
Union and Community  
Union at Work  
Union in the Mill  
Union Local  
United Action for Victory (UAW-CIO)  
Walter Reuther—Mike Wallace  
    Interview (UAW-CIO)  
Watch for Joe, A  
With These Hands  
Working Together  
You Can Win Elections

see also **INDUSTRIAL TRAINING  
AND RELATIONS**

**LAPLAND, see ARCTIC AND  
ANTARCTIC**

**LATIN AMERICA, see CENTRAL  
AMERICA, MEXICO; SOUTH  
AMERICA**

**LAW AND LAW ENFORCEMENT,  
see CIVICS; U. S. GOVERNMENT;  
CRIME**

**LEATHERWORK, see ART:  
CRAFTS AND CREATIONS**

## **LIBRARIES**

Carpet Under Every Classroom  
Contact with Books  
Discovering the Library  
Elementary Bookbinding  
Find the Information  
Freedom to Read  
Help Yourself  
How to Judge Authorities  
How to Read a Book  
It's Your Library  
Know Your Library  
Librarian, The  
Library of Congress  
Library Organization  
Library Story  
Look It Up  
New Chapters

## **LIFESAVING AND WATER SAFETY**

Artificial Respiration: Back Pressure  
    Arm Lift Method  
Elementary Tactics of Lifesaving  
Lifesaving  
Personal Damage Control: Artificial  
    Respiration  
Rescue Breathing  
Safe Swimming  
Small Craft Safety  
Water Safety  
see also **FIRST AID**

## **LIGHT**

Demonstrations with Light  
How Man Made Day  
How to Bend Light  
Light  
Light All About Us  
Light and Color (Science)  
Light and Dark  
Light and Heat  
Light and Its Story  
Light and Power  
Light and Shadow  
Light: Illumination and Its  
    Measurement  
Light: Lenses and Optical Instruments  
Light: Reflection  
Light: Refraction  
Light: Wave and Quantum Theories  
Light Waves and Their Uses  
Lights (FUDE)  
Measurement of the Speed of Light:  
    Physics Series  
Measurement with Light Waves  
Refraction (Junior Science Series)  
    (McGH)  
Refraction (UW)  
Science of Light  
Shadows and Eclipses  
Speed of Light, The  
Story of Light

## **LITERATURE**

Book Talk Series  
see also **AMERICAN LITERATURE,  
ENGLISH LITERATURE,  
BIOGRAPHIES**

**LITHOGRAPHY, see PRINTING**

**MACHINE SHOP AND  
METAL WORKING**

Bevel Protractor, The  
Blanking Sheet Metal on the Squaring  
    Shear  
Blanking Sheet Metal with Hand Snips  
Cutting a Keyway on End of A  
    Finished Shaft  
Cutting a Taper with the Compound  
    Rest and with the Taper Attachment  
Cutting an External National Fine  
    Thread  
Cutting Keyways  
Cutting Tenons and Segments  
Cutting Threads with Taps and Dies  
Drill Press—Basic Holding Techniques  
Drilling and Tapping Cast Steel  
Drilling in Metal, Wood and Plastic  
Drilling to a Layout and Spotfacing  
    Cast Iron  
Fabricating Metal Aircraft  
Facing, Turning, Boring, Grooving,  
    Chamfering on a Vertical Turret  
    Lathe Using Two Heads  
Forming Aluminum—Blanking and  
    Piercing  
Forming Aluminum: Drawing,  
    Stretching and Stamping  
Forming Aluminum—Tube and Shape  
    Bending  
Grinding a V-Block  
Heat Treatment of Aluminum: Part I  
Heat Treatment of Aluminum: Part II  
Heat Treatment of Steel: Elements of  
    Surface Hardening  
Heat Treatment of Steel: Elements of  
    Tempering, Normalizing, and  
    Annealing  
Height Gauges and Test Indicators  
How to Machine Aluminum  
How to Rivet Aluminum  
How to Run a Lathe: Grinding Cutter  
    Bits  
How to Run a Lathe: Metal Working  
    Lathe  
How to Run a Lathe: Plain Turning  
How to Weld Aluminum—Resistance  
    Welding  
Industrial Arts: Boring and Drilling  
    Tools  
Machine Maker  
Machining a Cast Iron Rectangular  
    Block  
Machining a Tool Steel V Block  
Machinist and Toolmaker  
Micrometer, The  
Milling Machine, The  
Milling Machine Operations  
Oxy-Acetylene Flame—Master of  
    Metals  
Plain Indexing and Cutting a Spur Gear  
Plane Is Born  
Rough Facing, Turning, and Drilling  
    on the Vertical Turret Lathe  
Sawing Template Metal  
Sawing with a Jig and Changing Band  
Scraping Flat Surfaces  
Sharpening a Plain Helical Milling  
    Cutter  
Silversmithing

## **MAGNETISM**

Electromagnets  
Electromagnets: How They Work  
Magnetic Effects of Electricity  
Magnetic Recorder, the Uses and  
    Operation  
Magnetism (C)  
Magnetism (EB)  
Magnets (YA)  
Magnets (GA)  
see also **ELECTRICITY**

## **MALAY PENINSULA**

Malay Peninsula, The People and  
    Products  
Malaya—The Fight Against the Unseen  
    Enemy  
Malaya, Land of Tin and Rubber  
Nomads of the Jungle



Rubber from Malaya  
Singapore  
Singapore: Study of a World Port  
Tin from Malayan Jungle  
Voices of Malaya

## MAPS

Caught Mapping  
Global Concepts in Maps  
Maps and Their Meaning  
Maps and Their Uses  
Maps Are Fun  
Maps for a Changing World  
Maps We Live By  
Reading Maps  
Understanding a Map  
What Is a Map

## MARINE LIFE

Alive from the Deep  
Animal Life at Low Tide  
Beach and Sea Animals  
Beneath the Sea  
Between the Tides  
Biography of a Fish  
Born to Die  
Crayfish, The  
Crustaceans—Lobster, Shrimp, and Their Relatives  
Electric Eel  
Fish Are Interesting  
Fish Family, A  
Fish Out of Water  
Life Cycle of a Trout  
Life in the Ocean  
Life in the Sea  
Marine Animals and Their Foods  
Marine Life  
Marvels in Miniature  
Salt Water Wonderland  
Sea, The  
Sea Adventures of Sandy the Snail  
Sea Shell Animals  
Sea Urchin  
Seashore Life  
Secrets of the Underwater World (WDP)  
Sounds in the Sea  
There Ain't No Such Animal  
Tide Pool Life  
Tiny Water Animals  
Underwater Adventure  
We Visit the Seashore

## MARIONETTES, see PUPPETS

## MARKETING

Distributing America's Goods  
Distribution of Foods  
Marketing Farm Products Abroad  
Meat—From Range to Market  
Merchandising Fresh Fruits and Vegetables  
Milk  
Milk Marketing under a Federal Law  
Modernizing Marketing Facilities  
Raisins You Buy, The  
Tale in a Teacup  
Truck Transport—on the Long Haul  
Trucks That Serve Our City  
see also ECONOMICS AND COMMERCE

## MARRIAGE

Are You Ready for Marriage  
Choosing Your Marriage Partner  
Early Marriage  
How Do You Know It's Love?  
I Do  
Is This Love?  
Marriage and Divorce  
Marriage Council  
Marriage for Moderns: Choosing for Happiness  
Marriage for Moderns: In Time of Trouble  
Marriage for Moderns: It Takes All Kinds  
Marriage for Moderns: Jealousy  
Marriage for Moderns: Marriage Today

Marriage for Moderns: This Charming Couple  
Marriage for Moderns: Who's Boss?  
Marriage for Moderns: Who's Right?  
Marriage Is a Partnership  
Meaning of Engagement  
Nobody's Children  
One Love—Conflicting Faiths  
When Should I Marry?

## MATHEMATICS

A Plus B Squared  
Algebra in Everyday Life  
Angles  
Angles and Arcs in Circles  
Areas  
Axioms in Algebra  
Chords and Tangents of Circles  
Circle, The  
Congruent Figures  
Decimal Fractions  
Descriptive Geometry: Finding Lines of Intersection between Two Solids  
Formulas in Mathematics  
Geometry and You  
Geometry in Action  
Graphing Linear Equations  
Indirect Measurement  
Irrational Numbers  
Language of Algebra  
Language of Graphs  
Language of Mathematics  
Lines and Angles  
Locus  
Measuring Areas: Squares, Rectangles  
Metric System, The  
Number System and Its Structure  
Oblique Cones and Transitional Developments  
Origin of Mathematics  
Parallel Lines  
Patterns in Mathematics  
Polygons  
Properties of Triangles  
Proportion at Work  
Pythagorean Theorem (KB)  
Pythagorean Theorem: Proof by Area  
Pythagorean Theorem: The Cosine Formula  
Quadrilaterals  
Ratio and Proportion  
Ratio and Proportion in Mathematics  
Rectilinear Coordinates  
Similar Triangles  
Slide Rule (The C and D Scales)  
Slide Rule (Proportion, Percentage, and Square Roots)  
Solids in the World Around Us  
Surface Areas of Solids (Parts I and II)  
Symbols in Algebra  
Understanding Numbers #1: Earliest Numbers  
Understanding Numbers #2: Base and Place  
Understanding Numbers #3: Big Numbers  
Understanding Numbers #4: Fundamental Operations  
Understanding Numbers #5: Short Cuts  
Understanding Numbers #6: Fractions  
Understanding Numbers #7: New Numbers  
Understanding Solids in Geometry

## MEAT, see AGRICULTURE: HOME ECONOMICS: FOODS

## MECHANICAL DRAWING, see DRAWING

## MEDICINE

Advent of Anesthesia  
Adventures in Research  
Allergies  
And the Earth Shall Give Back Life  
Antibiotics  
Atom and Medicine, The  
Choosing A Doctor  
Dedicated  
Defense Against Invasion

Discovery of Anesthesia, The Doctor, The  
Ether for Anesthesia  
First Major Test of Penicillin Immunization  
Improving America's Health  
Man Against Microbe  
Medicine—Aviation Medicine  
Men of Medicine  
Miracle from Mold  
Modern Surgery  
New Frontiers of Medicine  
One Against the World  
One Day's Poison  
146,000 Could Live (230,000 Will Die)  
Rehabilitation of Respiratory Patients  
Seizure  
Story of Dr. Jenner  
Streptomyacin  
That Mothers Might Live  
There Were Two Doctors  
Tracking the Sleeping Death  
Tragic Hour of Dr. Simmelsweiss, The (You Are There)  
Victory Over Polio  
Warning Shadow, The  
Your Doctor  
You're the Doctor  
see also DENTAL HEALTH, FIRST AID, MENTAL HEALTH, PHYSIOLOGY, PUBLIC HEALTH, SEX EDUCATION

## MEDIEVAL HISTORY

Charlemagne and His Empire  
Chaucer's England  
Crusades, The  
Images Medievales  
Marco Polo's Travels  
Meaning of Feudalism  
Medieval Architecture  
Medieval Castles  
Medieval Crusades, The  
Medieval Gilds, The  
Medieval Knights, The  
Medieval Manor  
Medieval Monastery  
Medieval Times: Role of the Church  
Medieval Village  
Medieval World  
Renaissance Intrigue  
Renaissance, The (Its Beginnings in Italy)  
Rise of Nations in Europe

## MENTAL HEALTH AND ILLNESS

Calls that Cure  
Emotional Health  
Emotional Maturity  
Man to Man  
Mental Health  
Mental Illness: Part I  
Mental Illness: Part II  
Mental Symptoms Series: Depressive States No. I  
Mental Symptoms Series: Depressive States No. II  
Mental Symptoms Series: Folie A Deux  
Mental Symptoms Series: Manic State  
Mental Symptoms Series: Organic Reaction—Senile Type  
Mental Symptoms Series: Paranoid Conditions  
Mental Symptoms Series: Schizophrenia, Catatonic Type  
Mental Symptoms Series: Schizophrenia, Hebephrenic Type  
Mental Symptoms Series: Schizophrenia, Simple Type Deteriorated  
Nation's Mental Health  
see also EDUCATION: PSYCHOLOGY

## METALS, see MINES AND MINING

## METEOROLOGY

Clouds  
Clouds (UW)  
Cold Front, The  
Great Winds: Part I (Circulation)  
Great Winds: Part II (Distribution of Pressure and Winds)

Hurricane Circuit  
Hurricane Watch  
Operation Hurricane  
see also WEATHER

## MEXICO

Adobe Village  
Airplane Trip to Mexico  
Architecture Mexico  
Arts and Crafts of Mexico: Part I—  
Pottery and Weaving  
Arts and Crafts of Mexico: Part II—  
Basketry, Stone, Wood, and Metals  
Cuernavaca  
Day Is New, The  
Guadalajara  
Hacienda Life in Old Mexico  
Heart of Mexico  
Home and Life  
Land of Mexico  
Land of the Aztecs  
Latin America: An Introduction  
Maya Are People  
Maya of Ancient and Modern Yucatan  
Mayas, The  
Mexican Children  
Mexico (UW)  
Mexico (This World of Ours Series)  
Mexico City  
Mexico: Geography of the Americas  
Modern Mexico  
People of Mexico  
People of Oaxaca  
People of Two Worlds  
Picturesque Patzcuaro  
Rural Life of Mexico  
Schools of Mexico  
Song of the Feathered Serpent  
Spain in the New World (Colonial Life  
in Mexico)  
Tehuantepec  
There Were Two Doctors  
Tina, A Girl of Mexico  
Tomorrow's Mexico  
Town in Old Mexico, A  
Vera Cruz  
Viva Mexico

## MICRO-ORGANISMS

Amoeba, The  
How Disease Travels  
Life of the Molds  
Microbes  
Microorganisms: Beneficial Activities  
Microorganisms: Harmful Activities  
Microorganisms That Cause Disease  
Microscope Life: The World of the  
Invisible  
Microscopic Wonders in Water  
Miracle of Life  
Miracle of Moss  
Miracle of Reproduction  
Mitosis and Meiosis  
Protoplasm: Beginning of Life  
Protozoa (One-Celled Animals)  
World of Little Things  
see also BIOLOGY

## MICROSCOPE

Microscope and Its Use, The  
Microscopic Life: The World of the  
Invisible  
Microscopic Wonders in Water  
Story of the Microscope  
Use of the Microscope

## MIDDLE EAST

Middle East, The (EB)  
Middle East (IFF)  
Middle East: Crossroads of Three  
Continents  
Middle East—Powderkeg on the Rim  
of the Communist World  
Turkey—Key to the Middle East  
see also names of countries

## MILITARY TRAINING

Annapolis  
Are You Ready for Service Series:  
Communism

Are You Ready for Service Series:  
Getting Ready Emotionally  
Are You Ready for Service Series:  
Getting Ready Morally  
Are You Ready for Service Series:  
Getting Ready Physically  
Are You Ready for Service Series:  
Military Life and You  
Are You Ready for Service Series:  
Nation to Defend  
Are You Ready for Service Series:  
Service and Citizenship  
Are You Ready for Service Series:  
Starting Now  
Are You Ready for Service Series:  
What Are the Military Services  
Are You Ready for Service Series:  
What It's All About  
Are You Ready for Service Series:  
When You Enter Service  
Are You Ready for Service Series:  
Why You  
Are You Ready for Service Series:  
Your Investment in the Future  
Are You Ready for Service Series:  
Your Plans  
Conquest by Night  
Fire Power  
I Am a Paratrooper  
Men and the Sea  
New Soldiers Are Tough  
West Point Today

**MILK: see AGRICULTURE:  
DAIRYING; HOME ECONOMICS,  
FOODS**

## MINERALOGY

Minerals and Rocks  
Rocks and Minerals  
Uranium Prospecting (The Search)

## MINES AND MINING

Chile's Copper  
Copper Mining  
Gold and Gold Mining  
Iron Ore Mining  
Lead from Mine to Metal  
Life in a Coal Mining Town  
Mining Iron Ore  
Modern Prospector  
Scottish Miner  
This Is Aluminum  
Zinc—Its Mining, Milling, and Smelting

## MONEY

About Money  
Credit and Loans  
United States Treasury  
What Is Money

## MOON

Moon, The  
Moon and How It Affects Us  
see also ASTRONOMY; EARTH AND  
EARTH SCIENCE

## MOSQUITOES

Life Cycle of a Mosquito  
Mosquito  
Mosquitoes and Malaria  
see also INSECTS

## MOTION PICTURES

Evolution of the Motion Picture  
see also DRAMA; PHOTOGRAPHY

## MUNICIPAL GOVERNMENT

Community Governments—How They  
Function  
Government Is Your Business  
see also COMMUNITY LIFE

## MUSIC—BANDS

Band Techniques: Band on the March

Here Comes the Band  
Marching Band Fundamentals: Parts I  
and II  
Marching Bands: Military Drill

## MUSIC: COMPOSERS

Beethoven and His Music  
Brahms and His Music  
George Frederick Handel  
Handel and His Music  
Immortal Bizet  
Liszt and His Music  
Salzburg  
Schubert and His Music  
Schumann Story  
Sibelius  
Torment of Beethoven  
Virtuoso Franz Liszt As A Composer  
Wanda Landowska

## MUSIC: HISTORY

Folklore Research  
Introduction to Jazz  
Maestro Franz Liszt at Weimar  
Music and Architecture Through the  
Ages  
Toot, Whistle, Plunk, and Boom

## MUSIC: INSTRUMENTS

Andres Segovia  
B-Flat Clarinet  
Brass Choir, The  
Cello Concert  
Children's Concert (Forum Edition)  
Children's Concert I: Rhythm and  
Percussion  
Children's Concert II: Woodwinds and  
Brass  
Children's Concert III: String  
Instruments  
First Chair, The  
Instruments of the Band and Orchestra:  
Introduction  
Instruments of the Band and Orchestra:  
The Brasses  
Instruments of the Band and Orchestra:  
The Percussions  
Instruments of the Band and Orchestra:  
The Strings  
Instruments of the Band and Orchestra:  
The Woodwinds  
Instruments of the Orchestra (BIS)  
Jascha Heifetz  
Jascha Heifetz: Portrait of an Artist, The  
Jose Iturbi, Pianist  
Melody in Music  
Music for Young People—Program #1  
(Introducing the Woodwinds)  
Music for Young People—Program #3  
(Introducing the Brasses)  
Music for Young People—Program #5  
(Percussion, The Pulse of Music)  
Music for Young People—Program #6  
(The Elements of Composition)  
Music in the Wind  
Music of India  
Musical Instruments of India  
Musical Instruments: The Strings  
Musical Performance Improvement for  
the Snare Drum  
Myra Hess  
Organ Sounds  
Percussion Group, The  
Rhythmic Exercises  
Saxophone in Concert, The  
Science in the Orchestra: Part I,  
Hearing the Orchestra  
Science in the Orchestra: Part II,  
Exploring the Instruments  
Science in the Orchestra: Part III,  
Looking at Sounds  
Singing Pipes  
Story of the Violin  
String Choir, The  
String Trio, The  
Symphony Orchestra  
Toot, Whistle, Plunk, and Boom  
Trumpet, Horn, and Trombone

## MUSIC: SELECTIONS

Aida and Don Juan



Andante Et Rondo  
 Ballad of the West  
 Barber of Seville  
 Barbershop Quartettes  
 Blue Danube, The (SF)  
 Blue Danube (UW)  
 Carmen  
 Chants Populaires No. 1  
 Chants Populaires No. 2  
 Christmas Carols  
 Collection of Carols  
 Community Sing  
 Concert Album  
 Concert Hall Favorites  
 Concert Miniatures  
 Do You Remember  
 Fiddle De Dee  
 Finlandia  
 Folk Songs of America's History  
 Folksongs and Folk Dances of Pakistan  
 Four Melodies in Allegretto  
 Gay Nineties Songs  
 Grand Canyon (WDP)  
 Grand Canyon Suite (Interlochen)  
 Great Ballerina  
 Great Waltz  
 Grieg Piano Concerto  
 Hits of the Nineties  
 Hymn of the Nations  
 Images from Debussy  
 Inside Opera  
 Invitation to Music  
 It's Fun to Sing  
 Jan Pierce and Nadine Conner  
 Jascha Heifetz  
 Jascha Heifetz: Portrait of an Artist, The  
 Jose Iturbi, Pianist  
 Lazy Rhythms  
 Let's Sing a Western Song  
 Listening to Good Music  
 Little Fugue in G Minor  
 Loops  
 Lord's Prayer, The  
 Lucia di Lammermoor  
 Marian Anderson  
 Marriage of Figaro  
 Melody Lane  
 Melody on Parade  
 Melody Parade  
 Mendelssohn: Midsummer Night's Dream  
 Merry Christmas (SF)  
 Moments in Music  
 Mozart and His Music  
 Music in America  
 Myra Hess  
 Naughty Marietta  
 New York Philharmonic Orchestra  
 Norwegian Folk Dances  
 Opera Music  
 Our Country's Song  
 Overture to La Traviata—Chopin Ballet  
 Pacific 231  
 Paderewski Concert  
 Painter and Poet Series: In Time of Pestilence; The Pythoness  
 Pen Point Percussion and Loops  
 Playing Good Music—The String Quartet  
 Rigoletto  
 Rubinstein, Heifetz, Piatigorsky  
 Salute to Sousa  
 Saturday Spectacle  
 Selected Negro Spirituals  
 Selected Negro Work Songs  
 Selected Songs of James A. Bland  
 Selected Songs of Stephen Foster  
 Sing, America  
 Singing in the General Music Class  
 Song of a Nation  
 Songs of Stephen Foster  
 Songs of the Campus  
 Square Dance Medley  
 Stars and Stripes  
 Stephen Foster and His Songs  
 Stephen Foster Melodics  
 Tales of Hoffman  
 Tales of the Vienna Woods  
 Tanglewood  
 Three American Ballads  
 Toronto Symphony Orchestra  
 Swan, The  
 Tchaikowsky's Fourth Symphony  
 Tchaikowsky's Piano Concerto in B Flat Minor

Two-Part Singing  
 Unfinished Symphony  
 Vronsky and Babin, Duo Pianists I  
 William Tell  
 Yehudi Menuhin—Violinist

## MUSIC: THEORY AND TEACHING

Beginning Music Reading  
 Children's Concert  
 Conducting Good Music  
 Correlating Music with Social Studies in the General Music Class  
 Forms of Music: Instrumental  
 Harmony in Music  
 How to Twirl a Baton  
 How We Write Music  
 Illinois Summer Youth Music  
 Keyboard Experiences in Classroom Music  
 Melody in Music  
 Music: Career or Hobby  
 Music for Young People—Program #6 (The Elements of Composition)  
 Music Reading  
 Musical Notes  
 Pablo Casals  
 Reading Music: Finding the Melody  
 Reading Music: Finding the Rhythm  
 Reading Music: Learning about Notes  
 Recording with Magnetic Tape  
 Rhythm in Music  
 Rhythm—Instruments and Movement  
 Rhythm Is Everywhere  
 Time for Bach  
 Vocal Music  
 Woodwind Choir, The

## NATIONAL PARKS

Glacier National Park  
 Glacier Park and the Canadian Rockies  
 Mount Rainier National Park  
 Yellowstone  
 Yellowstone and the Grand Tetons  
 Yosemite  
 see also ENTERTAINMENT FILMS: TRAVELOGUES

## NATURAL RESOURCES

Arizona and Its Natural Resources  
 Riches of the Earth  
 Texas and Its Natural Resources  
 Treasures of the Earth  
 Uranium Prospecting (The Search)  
 Washington and Its Natural Resources  
 see also CONSERVATION, FORESTS AND FORESTRY, MINES AND MINING

## NAZISM

First Seize His Books  
 From Kaiser to Fuehrer  
 Nazi Strike  
 Rise and Fall of Nazi Germany  
 Rise of a Dictator  
 Rise of Adolph Hitler, The (You Are There)  
 Twisted Cross, The

## NEAR EAST, see individual countries

## NERVOUS SYSTEM, see PHYSIOLOGY

## NETHERLANDS

Belgium and the Netherlands Land and Peoples  
 Bells of Holland  
 Boy of the Netherlands, A  
 Children of Holland  
 Dutch Tradition, The  
 Dutch Tulip Girl  
 Dutch Way, The  
 Holland  
 Holland and the Zuider Zee  
 Introducing the Netherlands  
 Land Behind the Dike  
 Life in Lowlands—The Netherlands

Netherlands: Past and Present  
 New Earth  
 People of the Netherlands

## NEW GUINEA, see PACIFIC ISLANDS

## NEW ZEALAND

New Zealand: The Land and the People  
 see also PACIFIC ISLANDS

## NEWFOUNDLAND, see CANADA

## NEWSPAPER, see JOURNALISM

## NORWAY

Farmer-Fisherman (Norway)  
 Introducing Norway  
 Life in Northern Lands  
 Life in Norway  
 Norway  
 People of Norway  
 Tale of the Fiords  
 Viking Trail, The

## NOSE

Learning About Your Nose  
 Nose, Structure and Function  
 Nose, Throat and Ears

## NURSES AND NURSING

Army Nurse  
 Bathing the Bed Patient  
 Expectant Father  
 Girls in White  
 House of Mercy  
 Keepers of the Lamp  
 Nursing  
 Rehabilitation of Respiratory Patients

## NUTRITION, see HOME ECONOMICS: FOODS AND NUTRITION

## OBSTETRICS

Before the Baby Comes  
 Care of the Newborn Baby  
 Know Your Baby  
 Labor and Childbirth  
 Normal Birth  
 Postnatal Care  
 Preface to a Life  
 see also CHILD CARE, CHILD STUDY

## OCCUPATIONS, see EDUCATION: GUIDANCE VOCATIONAL

## OCEANOGRAPHY, see EARTH AND EARTH SCIENCE

## OFFICE PRACTICES, see BUSINESS EDUCATION

## OPERA, see MUSIC

## OPTICS

Optical Craftsmanship: Introduction to Optics  
 Optical Illusions  
 Optical Instruments  
 Optical Poem

## ORCHESTRA, see MUSIC

## PACIFIC ISLANDS

Islands of the South Pacific  
 Pacific: Discovery and Development  
 Pacific Island

see also HAWAII, NEW ZEALAND,  
PHILIPPINE ISLANDS

## PAINT AND PAINTING

Brush Tips in Water Color: A  
Landscape Developed  
Creation of a Portrait  
Drawing a Portrait  
Finger Painting  
Finger Painting Methods  
Finger Painting Techniques  
Grandma Moses  
Let's Paint with Water Color  
Paint as You Please  
Painting a Portrait  
Painting an Abstraction  
Painting Clouds  
Painting Crowds of People  
Painting: Learning to Mix Colors  
Painting: Learning to Use Your Brush  
Painting: Reflections in Water  
Painting Shadows  
Painting: Solid Forms  
Painting Trees with Eliot O'Hara  
Painting with Calligraphy  
Painting with Sand: A Navajo  
Ceremony  
Rembrandt: Poet of Light  
Rembrandt Van Rijn: Self Portrait  
Renoir (Pierre Auguste)  
Rhythm in Paint  
Toulouse—Lautrec  
Van Gogh: Darkness into Light  
Vincent Van Gogh  
see also ART: CRAFTS AND  
CREATIONS, ARTISTS

## PAKISTAN

Folksongs and Folk Dance of  
Pakistan  
India and Pakistan: Lands and Peoples  
India—Pakistan and the Union  
of India  
Pakistan  
Progress Report on Pakistan  
Promise of Pakistan  
Screen Magazine (Help for Pakistan)  
Sui

## PANAMA

Panama  
Panama and Nicaragua  
see also CENTRAL AMERICA

## PANAMA CANAL

Panama Canal, The  
Panama Canal: Gateway to the World  
Panama: Crossroads of the Western  
World  
see also AMERICAN HISTORY

## PAPER

From Trees to Paper  
Gift of Ts' Ai Lun—Paper  
Paper  
Paper and Pulp Making  
Paper Forests  
Paper Making  
Paper: Milestones in Writing  
Trees to Tribune  
see also FORESTS AND FORESTRY

## PARASITIC PLANTS, see BOTANY

## PARLIAMENTARY PROCEDURES

How Not to Conduct a Meeting  
How to Conduct a Meeting  
Mr. Chairman  
Parliamentary Procedure (C)  
Parliamentary Procedure (NFBC)  
Parliamentary Procedure in Action

## PERSONAL AND SOCIAL ADJUSTMENT, see DISCUSSION PROBLEMS, EDUCATION, SOCIAL SKILLS

## PERSONAL HEALTH AND HYGIENE

Alexander Learns Good Health  
Attitudes and Health  
Balance Your Diet for Health and  
Appearance  
Be Clean and Healthy  
Body Care and Grooming  
Breast Self Examination  
Care of Hair and Nails  
Care of the Feet, The  
Cleanliness and Health  
Color of Health  
Defense Against Invasion  
Dynamic Posture  
Ears and Hearing, The  
Eat for Health  
Elimination  
Exercise for Happy Living  
Eyes and Their Care  
Eyes Bright  
Eyes for Tomorrow  
Eyes: Their Structure and Care  
Good Eating Habits  
Good Grooming for Girls: Hair Care  
Good Grooming for Girls: Make-up  
Good Grooming for Girls: Posture  
Good Grooming for Girls: Wardrobe  
Good Health Habits  
Good Health Practices, Part I  
Good Health Practices, Part II  
Growing Girls  
Growing up Day by Day  
I Never Catch a Cold  
Improving Your Posture  
Joan Avoids a Cold  
Mealtime Manners and Health  
Modern Guide to Health  
Molly Grows Up  
Personal Health for Girls  
Personal Hygiene for Boys  
Posture and Exercise  
Posture and Personality  
Posture Habits  
Proper Steps  
Rabies  
Rest and Health  
Rest that Builds Good Health  
Road to Health and Happiness  
Sitting Right  
Sleep for Health  
Soap  
Soapy, The Cerm Fighter  
Tobacco and the Human Body  
Why Willie was Willing to Wash  
You and Your Ears  
You and Your Eyes  
You and Your Five Senses  
Young Mother Hubbard  
Your Eyes  
Your Health at Home  
Your Health at School

## PERU

Children of the Sun (Quecha Indians  
of Peru)  
Highlands of the Andes—Peru  
Life in the High Andes  
Lima  
Peru (UW)  
Peru (People of the Andes)  
Peruvian Plateau  
Wealth of the Andes

## PETROLEUM AND OIL

Battle for Oil  
Birth of an Oil Field  
Drilling for Oil  
Lubricating Oil's Amazing Molecules  
Lubrication  
Oil Today, Power Tomorrow  
Petroleum (Story of)  
Pipeline (SOC)  
Prospecting for Petroleum  
Refining Oil for Energy  
Story of Gasoline  
Story of Lubricating Oil  
Story of Oil, The  
10,000 Feet Deep  
Unseen Horizons

## PETS, see ANIMALS

## PHILIPPINE ISLANDS

Nation Is Born, A  
Philippine Republic  
Philippines, The (This World of Ours  
Series)  
Philippines, The: Gateway to the  
Far East  
Philippines, The: Land and People  
Republic of the Philippines

## PHILOSOPHY, see BIOGRAPHY, AUTHORS, SCIENTISTS

## PHOTOGRAPHY

Action of Lenses and Shutters  
Aerial Photography—Part I,  
Introduction—Aerial Camera Types  
Alchemist in Hollywood  
Basic Camera  
Biography of the Motion Picture  
Camera, The  
Camera Magic  
Celluloid College  
Controlled Photographic Lighting  
Developing the Negative  
Elementary Optics in Photography  
Exposure  
Exposure Meter—Theory and Use  
History Brought to Life  
How to Use Your Movie Camera  
Photo Frenzy  
Photographer, The  
Photography  
Printing the Positive  
Time-Lapse Photography  
Your Movie Camera and How to Use It  
see also MOTION PICTURES,  
DRAMA

## PHYSICAL EDUCATION, see individual sports

## PHYSICS

Air All About Us  
Air Flow (aerodynamics)  
Airborne Magnetometer  
Atomic Physics: Atomic Theory  
(Part I)  
Atomic Physics: Rays from Atoms  
(Part II)  
Atomic Physics: The Nuclear Structure  
of the Atom (Part III)  
Atomic Physics: Atom Smashing—The  
Discovery of the Neutron (Part IV)  
Atomic Physics: Uranium Fission  
(Part V)  
Autogiro  
Demonstrations with Light  
Diesel Engine  
Doppler Effect  
Electrochemistry  
Electrodynamics  
Electrons  
Forces Acting on an Air Foil  
(Aerodynamics)  
Gasoline Engine  
Gasoline's Amazing Molecules  
Get Coing  
Getting Acquainted with Engineering  
How to Bend Light  
Introduction to Physics  
Jet Propulsion (EB)  
Jet Propulsion (CAA)  
Magnetism (EB)  
Matter and Energy  
Mechanics of Liquids  
Miracle Makers  
Molecular Theory of Matter  
Physics Demonstrations:  
Electrolysis  
Leslie's Cube  
The Electroscope  
Tyndall Apparatus  
Waves in a String  
Preface to Physics  
Principle of Moments  
Principles of Dry Friction  
Progressive Waves (Physics Series)  
Rotating Magnetic Fields  
Simple Harmonic Motion (Physics  
Series)



Stationary Longitudinal Waves  
(Physics Series)  
Stationary Transverse Waves (Physics  
Series)  
Techniques of Gravimetric Analysis  
Uniform Circular Motion (Physics  
Series)  
Using the Laboratory (Chemistry  
and Physics)

## PHYSIOLOGY

Aerodynamics of the Human Body  
Alimentary Tract  
Brain and Behavior  
Circulation  
Circulation: Why and How  
Common Heart Disorders and Their  
Causes  
Control of Body Temperature  
Digestion, Part I  
Digestion, Part II  
Digestion of Foods  
Don't Get Angry  
Elimination  
Endocrine Glands  
Endocrine Glands: How They  
Affect You  
Functions of the Body  
Functions of the Nervous System  
Guard Your Heart  
Heart and Circulation  
Heart: How It Works  
Heart, Lungs, and Circulation  
How the Respiratory System Functions  
Human Body: Circulatory System  
Human Body: Digestive System  
Human Body: Excretory System  
Human Body: Nervous System  
Human Body: Reproductive System  
Human Body: Respiratory System  
Human Body: Skeleton  
Human Brain  
Human Digestion  
Human Hair, The  
Human Heart  
Human Machine  
Human Reproduction  
Human Skeleton  
Human Skin, The  
Human Throat, The  
Kidneys, Ureters and Bladder  
Larynx and Voice (Function of the  
Normal Larynx)  
Learning About Our Bodies  
Mechanisms of Breathing  
Muscles and Bones of the Body  
Muscular System  
Nervous System, The  
Nine Basic Functional Systems of the  
Human Body  
Normal Birth, A  
Nose, Throat, and Ears  
Obesity—Problems of Fat Formations  
and Overweight  
Reactions in Plants and Animals  
Respiration  
Skeleton, The  
Spinal Column, The  
Story of Menstruation  
Story of the Bloodstream, Part I  
Story of the Bloodstream, Part II  
Wonder Engine of the Body  
Work of the Kidneys  
Your Body During Adolescence

## PLANTS, see BOTANY

## PLASTICS

Forming of Plastic Sheet Materials  
Methods of Processing Plastic Materials  
Origin and Synthesis of Plastic  
Materials  
Plastics

## POETRY

John Grenleaf Whittier  
Robert Frost  
Romance of Robert Burns  
see also AUTHORS, AMERICAN  
LITERATURE, ENGLISH  
LITERATURE

## POLAND

Mary Visits Poland  
Poland  
Poland and the Soviet Power  
(Background to Recent History)  
Poland: Land and People  
Poland: Land Under Communism

## POLAR REGIONS, see ARCTIC AND ANTARCTIC

## POLICE, see COMMUNITY LIFE, CIVICS

## POLITICAL SCIENCE, see CIVICS, INTERNATIONAL RELATIONS, U. S. GOVERNMENT

## PORTUGAL

Iberian Peninsula (Spain and  
Portugal)  
Introducing Portugal  
Portugal (McGH)  
Portugal (This World of Ours)

## POSTAL SERVICE, see COMMUNITY LIFE, GOVERNMENT

## POTTERY, see ARTS: CRAFTS AND CREATIONS

## PRINTING AND LITHOGRAPHY

Book, The  
Books  
Books for Everyone  
Color on a Stone  
Freedom of the Press  
Heights and Depths  
Learning to Set Type  
Making Books  
Printing  
Story of Printing

## PROPAGANDA

Don't Be a Sucker  
Propaganda Techniques

## PSYCHOLOGY

Age of Turmoil  
Angry Boy  
Bitter Welcome  
Breakdown  
City of the Sick  
Client-Centered Therapy  
Conflict  
Control Your Emotions  
Controlling Behavior Through  
Reinforcement  
Dr. Ernest Jones  
Dr. Pincel Unchains the Insane  
Embryology of Human Behavior  
Experimental Psychology of Vision  
Feeble-minded  
Giving the Rorschach Test: Klopfer  
Method  
High Wall, The  
Judging Emotional Behavior  
Looking for the Answers  
Man to Man  
Motivation and Reward in Learning  
Out of True  
Overcoming Fear  
Overcoming Worry  
Over-Dependency  
Perception  
Personality and Emotions  
Popular Psychology  
Psychology for Living Series: Facing  
Reality  
Psychology for Living Series: Habit  
Patterns  
Psychology for Living Series: Heredity  
and Family Environment  
Psychology for Living Series:  
Successful Scholarship

Psychology for Living Series: Toward  
Emotional Maturity  
Reinforcement in Learning and  
Extinction  
Search for Happiness  
Steps of Age  
Testing Intelligence with Stanford—  
Binet  
To Live Tomorrow  
Wastage of Human Resources  
see also EDUCATION: PSYCHOLOGY,  
MENTAL HEALTH AND  
ILLNESS

## PUBLIC HEALTH

Allergies  
And So They Live  
Angel of Mercy  
Community Health and You  
Community Mental Health  
Consumption of Foods  
Discovery of Anesthesia, The  
Doctor, The  
Dr. Spock  
Drug Addiction  
Exercise and Health  
Goodbye Fly  
Goodbye, Mr. Germ  
Guard Your Heart  
Immunization  
Insects as Carriers of Disease  
Interim Report  
Magic Touch, The: Immunization  
Man Alive  
Modern Guide to Health  
Noise and Health  
R.E.A. Story, The  
RX—The Story Behind Your Doctor's  
Prescription  
Rabies  
School Health in Action  
They Live Again  
Tuberculosis—Its Diagnosis, Treatment  
and Control  
Understanding Vitamins  
Vim, Vigor and Vitamins  
Visual Perception Research  
Vitamin Rivers  
Vitamin Wise

## PUBLIC OPINION

Does it Matter What You Think?  
Don't be a Sucker  
Due Process of Law Denied  
Getting the Facts  
Public Opinion  
Public Opinion in Our Democracy  
Understanding Your Ideals

## PUBLIC SCHOOLS, see EDUCATION

## PUBLIC SPEAKING, see SPEECH

## PUPPETS

ABC of Puppets: Making of Puppets  
ABC of Puppets: Puppet Face and  
Play  
How to Make a Puppet  
Let's Make Puppets  
Punch and Judy  
Puppet Faces  
Puppetry: Stringed Marionettes

## RADIO

Airplane Radio Antennas  
Audio Oscillator Operation  
Capacitance  
Independent Commercial Radio Station  
Inductance  
Lessons from the Air  
On the Air  
Oscillators  
Periodic Functions (Radio Technician  
Training)  
RCL Resistance Capacitance (Radio  
Technician Training)  
Radio Aids (Aerial Navigation Series)  
Radio and Television

Radio Antennas—Creation and Behavior of Radio Waves  
 Radio Antennas—Fundamentals of the Antenna  
 Radio Broadcasting Today  
 Radio Compass: The Radio Compass in Flight  
 Radio Location—Siting Radar Equipment  
 Radio Operator  
 Radio Operator Training: Rhythm, Speed and Accuracy in Hand Sending  
 Radio Operator Training: Technique of Hand Sending  
 Radio Range Orientation  
 Radio Receivers: Principles and Typical Circuits  
 Radio Shop Techniques  
 Radio Transmitters: Principles and Typical Circuits  
 Receiving Radio Messages  
 Sending Radio Messages  
 Signal Generator Operation (Radio Technician Training)  
 Standing Waves on Transmission Lines (Radio Technician Training)  
 Tube Tester Operation  
 VHF Airborne Radio Set SCR-522  
 Vacuum Tubes in Radio  
 Vectors  
 Volt-Ohmmeter Operation (Radio Technician Training)  
 see also COMMUNICATION

## RAILROADS

Big Trains Rolling  
 Classroom Quiz No. 1  
 Classroom Quiz No. 2  
 Completion of the First Transcontinental Railroad  
 End of the Line  
 Freight Train  
 Freight Yard  
 Fresh From the West  
 Life and Times of the Iron Horse (American Adventure Series)  
 Life Line of the Nation  
 Mainline, U. S. A.  
 On the Track  
 Passenger Train, The  
 Railroad Rhythms  
 Railroad Special Agent  
 Thundering Rails  
 Transportation in the United States  
 225,000 Mile Proving Ground  
 Whistle in the Night  
 see also AMERICAN HISTORY;  
 TRANSPORTATION;  
 COMMUNICATION

## READING

Each One Teach One  
 Frank and His Dog  
 Frank Tends the Garden  
 Gregory Learns to Read  
 High School Reading Training Films  
 How Effective Is Your Reading  
 Improve Your Reading  
 It's All Yours  
 It's Fun to Read Books  
 Jean and Her Dolls  
 Let's Read Poetry  
 Let's Try Choral Reading  
 Mary Had a Little Lamb  
 Mittens, The Kitten  
 Mother Goose Rhymes  
 Reading Improvement: Comprehension Skills  
 Reading Improvement: Defining the Good Reader  
 Reading Improvement: Effective Speeds  
 Reading Improvement: Vocabulary Skills  
 Reading Improvement: Word Recognition Skills  
 Reading with Suzy  
 Speeding Your Reading  
 They All Learn to Read  
 Three Little Pigs (Background for Reading)  
 Toy Telephone Truck, The (Background for Reading and Expression)  
 see also SCHOOL SKILLS

## RECREATION AND PHYSICAL EDUCATION

Basic Movement  
 Basic T Formation  
 Beginning Good Posture Habits  
 Better Use of Leisure Time  
 Championship Form  
 Day of the Fight  
 Defensive Footwork in Basketball  
 Diary of a Sergeant  
 Discus, The  
 Dolphin Kick, The  
 Dynamic Posture  
 Education in Sports  
 Elementary Techniques of Field Hockey  
 Exercise and Health  
 Exploring with X-Rays  
 Fishing Fun  
 Fishing Thrills  
 From Little Wings  
 Fundamentals of Boxing  
 Game of Jai Alai  
 Girls Basketball for Beginners  
 Girls, Let's Learn Softball  
 Golf Mistake  
 Good Sportsmanship  
 Gymnastics  
 Gymnastics: Part I  
 Gymnastics: Part II  
 How to Avoid Muscle Strains  
 Illinois Football Highlights of 1953  
 In the Rough  
 Infield Play at First and Third  
 Intermediate Tumbling  
 Javelin  
 Jumps and Pole Vault  
 Leaders in Leisure  
 Making of a Shooter  
 Matt Mann's Swimming Techniques for Boys  
 Matt Mann's Swimming Techniques for Girls  
 Mobilization of the Human Body  
 Modern Basketball  
 Modern Dance  
 Molly Grows Up  
 Moving X-Rays  
 Muscular System  
 Physical Fitness  
 Posture Habits  
 Profiles of Elementary Physical Education  
 Recreation and Occupational Therapy  
 Respiration  
 Rest and Health  
 Return to Life  
 Rhythmic Exercises  
 Riding the Crest  
 Simple Stunts  
 Soccer for Girls  
 Soccer—The Universal Game  
 Sofia Girls  
 Softball for Boys  
 Softball for Girls  
 Softball Fundamentals  
 Speed-a-Way  
 Speedball for Girls  
 Square Dancing  
 Squirrel in Trees  
 Table Tennis  
 Tackling in Football  
 Technique of Foil Fencing  
 Technique of Tennis  
 Tennis: Court Favorites  
 Tennis for Beginners  
 Tennis Tactics  
 Tennis Technique  
 They Grow Up So Fast  
 Three Deep  
 Throwing in Baseball  
 Town and Country Recreation  
 Understanding Basketball  
 Vim, Vigor, and Vitamins  
 Visual Perception Research  
 Vital Signs and Their Interrelation:  
   Body Temperature, Pulse,  
   Respiration, Blood Pressure  
 Volleyball for Boys  
 Volleyball Strategy for Girls  
 Volleyball Techniques for Girls  
 see also individual sports; CAMPING;  
 HUNTING AND FISHING;  
 LIFESAVING AND WATER  
 SAFETY; SPORTS

## REFORMATION, see EUROPE, HISTORY

## RELIGION AND ETHICS

Beyond Our Horizon  
 Church Vocation  
 Coronation of Pope Pius XII  
 Country of Islam  
 Dr. Louis Finkelstein  
 Dr. Paul J. Tillich  
 Easter Season (Church Version)  
 Festival of Spring  
 Good Samaritan  
 Greatest Gift, The  
 Hindu Family  
 How Honest Are You?  
 How to Say No (Moral Maturity)  
 I Am the Bible  
 Inside the Vatican  
 Jordan Valley  
 Journey to Mecca  
 Life of Christ in Art, The  
 Life of Christ in Art, The (Catholic Version)  
 Lost Sheep  
 Major Religions of the World  
 Mohammedan World: Beginnings and Growth  
 Reformation, The  
 Rome—Cradle of Christianity  
 Sacrifice of Isaac  
 Stars in Your Crown  
 Story of David and Goliath  
 Three Great Religions (China)

## REPRODUCTION

Asexual Reproduction  
 Basic Nature of Sexual Reproduction  
 From Generation to Generation  
 Human Body: Reproductive System  
 Human Growth  
 Human Reproduction  
 In the Beginning  
 Miracle of Reproduction  
 Mother Hen's Family  
 Reproduction Among Mammals  
 Reproduction in Animals  
 Reproduction in Plants  
 see also ZOOLOGY; GENETICS;  
 BIOLOGY; BOTANY

## REPTILES

Beware—Snakes  
 Introducing the Reptiles  
 King Cobra  
 Let's Catch Reptiles  
 Locomotion of Snakes  
 Reptiles  
 Reptiles and Their Characteristics  
 Reptiles Are Interesting  
 Snakes  
 Snakes Are Interesting  
 Snakes Can Be Interesting  
 Snapping Turtle

## RIVERS

Amazon, The  
 Amazon Awakens  
 Colorado River  
 Egypt and the Nile  
 Egypt—Kingdom of the Nile  
 Energy in Our Rivers  
 Ganges River  
 Making of the River, The  
 Mighty Columbia River  
 Mississippi River: Lower River  
 Mississippi River: Upper River  
 Monongahela  
 Night in the Jungle  
 River, The  
 Rivers of the Pacific Slope  
 Source of the Amazon

## ROCKS, see EARTH SCIENCE; GEOLOGY; MINERALOGY

## ROME, see ITALY

## RUBBER

Malaya, Land of Tin and Rubber  
 Rubber from Malaya



Rubber from Oil  
 Rubber in Today's World  
 Speaking of Rubber  
 Synthetic Rubber

## **RUSSIA**

Children of Russia  
 First Moscow Purge Trials, The  
 How Russians Play  
 Iron Curtain Lands  
 Kremlin's Problem People: The  
   Ukrainians  
 Look at Soviet Agriculture, A  
 Lower Depths, The  
 Nightmare in Red  
 Peoples of the Soviet Union  
 Russia  
 Russia At War  
 Russian Life Today  
 Soviet Union—An Introduction  
 Soviet Union, The: The Land and the  
   People  
 see also COMMUNISM; EUROPE;  
 HISTORY

## **SAFETY EDUCATION: AUTOMOBILE**

ABC of the Automobile Engine  
 Accident Behavior  
 Mixer, The  
 Motor Mania  
 None for the Road  
 Read, Heed and Live  
 Speed and Reflexes  
 Talking Car  
 Traffic with the Devil  
 Turnabout Man

## **SAFETY EDUCATION: HOME SAFETY**

Anyone at All: Safety in the Community  
 Closed Book, A  
 Damage Control: Chemistry of Fire  
 Dangerous Stranger  
 Fire Prevention in the Home  
 Fire Safety Is Your Problem  
 Going to Blazes  
 How to Have an Accident in the Home  
 I'm No Fool with Fire  
 Let's Be Safe at Home  
 Live and Learn  
 Make Your Home Safe  
 More Dangerous than Dynamite  
 One Days Poison  
 Personnel Damage Control: Heat  
   Exhaustion, Sunstroke and Burns  
 Safe Living at Home  
 Safe Living in the Community  
 Safety Begins at Home  
 Safety in the Home  
 Wires to Our House

## **SAFETY EDUCATION: INDUSTRIAL AND VOCATIONAL SAFETY**

Accidents Don't Happen: Handling  
 Accidents Don't Happen: Machines  
 Accidents Don't Happen: Organization  
 Blasting Cap  
 Damage Control: Chemistry of Fire  
 Disaster Control  
 How to Have an Accident at Work  
 Industrial Arts: Safe Shop  
 Industrial Arts: Metal Shop Safety  
 It Didn't Have to Happen  
 No Accidents  
 Safe Day, A  
 Safe Use of Tools  
 Safety in the Shop  
 Safety with Everyday Tools  
 Shop Safety  
 We're on the Spot  
 Working Safely in the Shop  
 Wrong Way Butch

## **SAFETY EDUCATION: PEDESTRIAN SAFETY**

Ambulance Doctor  
 I'm No Fool as a Pedestrian

Mary Learns Her Traffic Lesson  
 Motor Mania  
 Patty Learns to Stop, Look and Listen  
 Safest Way  
 Safety on the Street  
 Safety on the Way to School  
 Street Safety Is Your Problem  
 Traffic with the Devil  
 When You Are a Pedestrian

## **SAFETY EDUCATION: SAFETY AT PLAY**

Ambulance Doctor  
 Dangerous Stranger  
 I'm No Fool Having Fun  
 I'm No Fool in Water  
 Let's Be at Home in the Water  
 Let's Play Safe  
 Monkey Tale, A (Bicycle Safety)  
 Name Unknown  
 Pedalar  
 Personnel Damage Control: Artificial  
   Respiration  
 Play Safely  
 Playground Safety  
 Safe as You Make it  
 Safe Swimming  
 Safety Adventures Out-of-Doors  
 Safety in Water  
 Safety on the Playground  
 Strangers  
 Why Take Chances

## **SAFETY EDUCATION: SCHOOL SAFETY**

Dangerous Stranger  
 Duck and Cover  
 Fire in Their Learning  
 Going to Blazes  
 How Patrols Operate  
 I'm No Fool with a Bicycle  
 Primary Safety: In the School Building  
 Primary Safety: On the School  
   Playground  
 Safe as You Think  
 Safe Living at School  
 Safely to School  
 Safety on the Way to School  
 Safety Patrol  
 Safety to and from School  
 School Rules: How They Help Us  
 School Safety Committee  
 You and Your Bicycle  
 Your School Safety Patrol  
 see also BICYCLE AND BICYCLE  
   SAFETY, CIVIL DEFENSE,  
   FIRST AID, AUTOMOBILE  
   OPERATION, LIFESAVING AND  
   WATER SAFETY

## **SALESMANSHIP, see BUSINESS EDUCATION**

## **SCHOOL, see EDUCATION**

## **SCHOOL BUS**

Bus Driver  
 Safety on Our School Bus (EB)  
 Safety on the School Bus (YA)  
 School Bus and You

## **SCHOOL SKILLS**

Beginning Responsibility: Books and  
   Their Care  
 Better Reading  
 Build Your Vocabulary  
 Building an Outline  
 Building Better Paragraphs  
 Do Better on Your Examinations  
 Fairness for Beginners  
 Glen Wakes Up  
 Gossip  
 Homework: Studying on Your Own  
 How to Concentrate  
 How to Develop Interest  
 How to Prepare a Class Report  
 How to Read a Book

How to Read Newspapers  
 How to Remember  
 How to Study  
 How to Succeed in School  
 How to Take a Test  
 How to Write Your Term Paper  
 How We Learn  
 Importance of Making Notes  
 Improve Your Handwriting  
 Improve Your Pronunciation  
 Improve Your Punctuation  
 Improve Your Reading  
 Improve Your Spelling  
 Improve Your Study Habits  
 Keep Up with Your Studies  
 Learning to Study  
 Letter Writing for Beginners  
 Life in an Aquarium  
 Preparing Your Book Report  
 Spelling for Beginners  
 Telling Time by the Clock  
 Treasure in Books, A  
 We Go to School  
 What Time Is It  
 see also EDUCATION, SPEECH,  
   SOCIAL SKILLS, TIME

## **SCIENCE—ELEMENTARY SCIENCE AND NATURE STUDY**

About the Human Body  
 Adventures of a Baby Fox  
 Adventures of Junior Raindrop  
 Air in Motion (Junior Science Series)  
 Air Pressure (Junior Science Series)  
 Airplanes and How They Fly  
 Amphibians  
 Animal Habitats  
 Animals Move in Many Ways  
 Animals of Alaska  
 Animals of Prehistoric America  
 Animals Protect Themselves  
 Animals that Fly  
 Animals Useful to Man  
 Animals—Ways They Move  
 Balancing Forces  
 Behavior of Light, The  
 Bridges  
 Chemical Change  
 Chemical Changes All About Us  
 Chemistry (Primary)  
 Clouds Above, The  
 Colors Are Useful  
 Copper: Mining and Smelting  
 Day and Night  
 Digestion in Our Bodies  
 Dinosaur Age, The  
 Earth  
 Earth and Its Seasons  
 Earth and the Seasons  
 Earth and the Sun's Rays  
 Earth: Changes in Its Surface  
 Earth: Its Atmosphere  
 Earth: Its Oceans  
 Earth: Resources in Its Crust  
 Earth—Rotation and Revolution  
 Earthquakes and Volcanoes  
 Earthworms (DPP)  
 Eclipse  
 Electric Circuits  
 Electricity (GA)  
 Electricity All About Us  
 Electricity: How It Is Generated  
 Electricity: How to Make a Circuit  
 Electricity: Principles of Safety  
 Electromagnets  
 Electromagnets: How They Work  
 Elements of Electrical Circuits  
 Energy (GA)  
 Energy (Junior Science Series)  
 Energy and Its Forms  
 Energy Does Work  
 Energy from the Sun  
 Energy in Our Rivers  
 Engines and How They Work  
 Erosion (GA)  
 Explaining Matter: Atoms and  
   Molecules  
 Explaining Matter: Chemical Change  
 Explaining Matter: Molecules in  
   Motion  
 Exploring Electromagnetic Energy  
 Exploring the Night Sky  
 Exploring the Ocean  
 Exploring the Universe



Extending Our Senses  
 Factory: How a Product Is Made  
 Finding Out About Rocks  
 Fire (GA)  
 Flaming Sky, The  
 Food from Our Garden  
 Force  
 Force and Motion  
 Force of Gravity (McGH)  
 Force of Gravity, The (Planet Earth Series)  
 Form  
 Friction (GA)  
 Friction (McGH)  
 Friction (Junior Science Series)  
 Friction and Its Effects  
 Friction: How It Helps and Hinders  
 From Seeds to Plants  
 Fuels: Their Nature and Use  
 Fundamentals of the Nervous System  
 Geysers and Hot Springs  
 God's Wonders in Your Own Backyard  
 Gravity  
 Gravity: How It Affects Us  
 Gravity, The Mighty Pull  
 Green Vagabonds  
 Heat and Its Behavior  
 Hidden Earth, The (Planet Earth Series)  
 How Can We Find Out?  
 How Electricity Is Produced  
 How Green Plants Make Food  
 How Machines and Tools Help Us  
 How Materials Are Changed  
 How Our Bodies Fight Disease  
 How Seeds Are Scattered  
 How Sunshine Helps Us  
 How the Water Cycle Works  
 How We Can Find Out  
 How We Know the Earth Moves  
 How We Know the Earth's Shape  
 How We Save Water  
 How Weather Helps Us  
 Importance of Water  
 Inclined Plane, Wedge and Screw  
 Inconstant Air (Planet Earth Series)  
 Inertia of Motion  
 Inertia of Rest  
 Infinite Universe, The  
 Inside the Weather  
 Introduction to Electricity  
 Learning About Electric Current  
 Learning About Flowers  
 Learning About Heat  
 Learning About Leaves  
 Learning About Light  
 Learning About Our Bodies  
 Learning About Seeds  
 Learning About Your Nose  
 Learning From Pets in the Classroom  
 Let's Look at Animals  
 Let's Take a Walk Along the Brook  
 Lever, The (Junior Science Series)  
 Life in the Desert  
 Life on a Dead Tree  
 Light and Color (Science)  
 Light and Dark  
 Light and Heat  
 Light and Its Story  
 Light and Power  
 Light and Shadow  
 Light for Beginners  
 Light Waves and Their Uses  
 Lions at Home  
 Little Animals  
 Living and Non-Living Things  
 Living Water Series: Nature's Plan,  
 Part I  
 Living Water Series: Man's Problem,  
 Part II  
 Machines  
 Machines Do Work  
 Machines Help Us  
 Machines That Help the Farmer  
 Magnetic Force (Planet Earth Series)  
 Magnetism (Junior Science Series)  
 Magnetism (C)  
 Magnets (GA)  
 Magnets (YA)  
 Making a Balanced Aquarium  
 Making Electricity  
 Mammals Are Interesting  
 Mammals of the Countryside  
 Mammals of the Rocky Mountains  
 Mammals of the Western Plains  
 Materials of Our World

Measuring and Testing Things  
 Measuring Temperature  
 Michael Discovers the Magnet  
 Milky Way, The  
 Miracle of Reproduction  
 Monarch Butterfly Story  
 Moon and How It Affects Us, The  
 Mysteries of Water  
 Myth, Superstition and Science  
 Nature of Heat  
 Nature of Light  
 Nature of Sound  
 Nitrogen and Living Things  
 Nose: Structure and Function  
 Nothing But Air  
 Nutritional Needs of Our Bodies  
 Ocean of Air, The  
 Our Common Fuels  
 Our Part in Conservation  
 Our Senses: What They Do for Us  
 Our World of Science  
 Particles of Matter  
 Pascal's Law  
 Pendulum, The (Junior Science Series)  
 Pipes in the House  
 Planets Around Our Sun  
 Planting Our Garden  
 Plants Make Food  
 Plants that Grow from Leaves, Stems  
 and Roots  
 Pond Life  
 Pony Farm  
 Power and Work  
 Properties of Gases (Junior Science Series)  
 Properties of Liquids (Junior Science Series)  
 Prove It with a Magnifying Glass  
 Putting Animals in Groups  
 Reaching into Space  
 Reflection (Junior Science Series)  
 Rockets and Satellites  
 Rockets: Principles and Safety  
 Rocks (Primary Science)  
 Rocks for Beginners  
 Science and Superstition  
 Sea Adventures of Sandy the Snail  
 Seasonal Changes in Plants  
 Seeds Grow into Plants  
 Simple Changes in Matter  
 Simple Machines: The Inclined Plane  
 Family  
 Size of Things, The (Adventure in Science)  
 Snowflakes  
 Soil and Life, The  
 Sound  
 Sound (Junior Science Series)  
 Sound for Beginners  
 Spinning Objects (Junior Science Series)  
 States of Matter (Junior Science Series)  
 Static Electricity (Junior Science Series)  
 Steam Engine, The  
 Steam Engine: How It Works  
 Steam Turbine, The  
 Story of Heat  
 Story of Magnetism, The  
 Streamlining (Junior Science Series)  
 Sun and How It Affects Us  
 Surface Tension (Junior Science Series)  
 Things Dissolve  
 Things Expand When Heated  
 This Is the Moon  
 Thunder and Lightning  
 Tides  
 Treasures in the Snow  
 Trees: How We Identify Them  
 Trip to the Moon  
 Typical Garden Spider, A  
 Understanding Fire (Exploring Science)  
 Understanding Our Earth: Glaciers  
 Understanding Our Earth: How Its  
 Surface Changes  
 Understanding Our Earth: Rocks and  
 Minerals  
 Understanding Our Earth: Soil  
 Understanding Our Universe  
 Visit to the Waterworks, A  
 Volcanoes in Action  
 Water (Primary Science)  
 Way Stations in Space  
 Ways to Find Out  
 We Explore the Field and Meadow

We Explore the Stream  
 We Make a Fire  
 We Make Butter  
 We Use Power  
 Weather Scientists  
 What Are Things Made Of?  
 What Do We See in the Sky?  
 What Is Biology?  
 What Makes a Desert?  
 What Makes Night and Day?  
 What Makes Rain?  
 What Makes Things Float?  
 What Makes Us Grow?  
 What Plants Need for Growth  
 What's Inside the Earth?  
 What's So Important About a Wheel?  
 Wheel, Axle and Pulley (Junior Science Series)  
 Where Does Our Meat Come From?  
 Why Foods Spoil  
 Why Seasons Change  
 Wind at Work  
 Winds and Their Causes  
 Wires to Our House  
 Wise Use of Water Resources  
 Wonder of Chemistry  
 Wonder of Grasshoppers  
 Wonder of Our Body  
 Wonder of Reproduction  
 Wonder of Water  
 Wonders in a Country Stream  
 Wonders in the Desert  
 Wonders in Your Own Backyard  
 Wonders of Plant Growth  
 Wonders of the Sea  
 Wool (From Sheep to Clothing)  
 Work of the Blood  
 Working Water  
 World of Micro—life  
 World of Molecules  
 You and Machines  
 You—The Human Animal (This Is You Series)

## SCIENCE—GENERAL SCIENCE

ABC of the Automobile Engine  
 ABC of the Diesel Engine  
 Adventures in Research  
 Adventures of Junior Raindrop  
 Air All About Us  
 Amperes, Volts and Ohms: Elementary Electricity  
 Amphibians  
 Archimedes Principle  
 Aristotle and the Scientific Method  
 Atmosphere and Its Circulation  
 Atmospheric Pressure  
 Atom, The  
 Atom Smashers  
 Automobiles  
 Camouflage in Nature through Form  
 and Color Matching  
 Camouflage in Nature through Pattern  
 Matching  
 Carbon and Its Compounds  
 Carbon-Oxygen Cycle  
 Carnot Cycle  
 Centrifugal Force  
 Characteristics of Hydraulic Fluids  
 Chemistry of Air  
 Controlling Atomic Energy  
 Cosmic Rays  
 Damage Control: Chemistry of Fire  
 Dams  
 Dating the Past  
 Day and Night  
 Density  
 Development of the Chick, The  
 Development of the Chick Embryo  
 Diesel—The Modern Power  
 Digestion Part I  
 Digestion Part II  
 Digestion of Foods  
 Down the Gasoline Trail  
 Earth and Its Seasons  
 Earth and the Seasons  
 Earth and the Sun's Rays  
 Earth in Motion  
 Earth—Rotation and Revolution  
 Earth Satellites: Explorers of Outer  
 Space  
 Earthquake Research  
 Earthquakes and Volcanoes  
 Earth's Rocky Crust, The  
 Earth's Skin



Earthworms (UW)  
 Eclipse  
 Electric Circuits  
 Electrodynamics  
 Elementary Optics in Photography  
 Elements of Electrical Circuits  
 Elements of Electricity  
 Energy and Its Transformation  
 Energy from the Sun  
 Engineering  
 Engineering, Career for Tomorrow  
 Erosion  
 Erosion by Wind and Water  
 Exploring by Satellite  
 Exploring Space  
 Exploring with X-Rays  
 Falling Bodies  
 Fossils Are Interesting  
 Fossils: Clues to Prehistoric Times  
 Friction (Advanced Science Series)  
 Galileo's Law of Falling Bodies  
 Gas for Home and Industry  
 Gas Laws and Their Applications  
 Get Going  
 Geysers and Hot Springs  
 Great Lakes: How They Were Formed  
 Green Vagabonds  
 Heat Conduction  
 Heat Convection and Radiation  
 Heat and Its Control  
 Heat, Its Nature and Transfer  
 Hoodoo  
 How a Scientist Works  
 How Rayon Is Made  
 How We Get Our Power  
 Ice  
 Infinite Universe, The  
 Inside the Atom  
 Iron: Product of the Blast Furnace  
 Isaac Newton  
 Jet Power  
 Jet Propulsion (EB)  
 Jet Propulsion (CAA)  
 Latitude and Longitude  
 Laws of Conservation of Energy and Matter  
 Laws of Gases, The  
 Laws of Motion  
 Lenses  
 Lever-Age  
 Life from the Sun  
 Linear Accelerator, The  
 Machines  
 Machines Do Work  
 Madame Curie  
 Magnetic Effects of Electricity  
 Magnetism (C)  
 Magnetism (EB)  
 Matter and Energy  
 Meaning of Pi, The  
 Measurement of Electricity  
 Mechanical Refrigeration: How It Works  
 Mechanics of Liquids  
 Men of Science  
 Metals and Non-Metals  
 Metric System, The  
 Miracle Makers  
 Miracle of the Trees  
 Modern Alchemy (The Elements)  
 Molecular Theory of Matter  
 Moon, The  
 Museum of Science and Industry  
 Mystery of the Sun  
 Mystery of Time  
 Nature of Energy  
 Ocean Tides  
 On the Level  
 Operation White Tower  
 Petrified River—Story of Uranium Power  
 Principles of Lubrication  
 Principles of Refrigeration  
 Rape of the Earth  
 Refraction (UW)  
 Refraction (Junior Science Series) (McGH)  
 Riches of the Earth  
 River of Ice (Story of a Glacier)  
 Rockets—How They Work  
 Romance of Radium  
 Root Development  
 Roots of Plants  
 Science Fair  
 Science Project  
 Science Spins a Yarn

Scientific Method, The  
 Scientific Method in Action  
 Sense Perception: Part I (The Wonder of the Senses)  
 Sense Perception: Part II (The Limitation of the Senses)  
 Series and Parallel Circuits  
 Simple Machines  
 Simple Machines: Inclined Planes  
 Simple Machines: Levers  
 Simple Machines: Pulleys  
 Simple Machines: Wheels and Axles  
 Smooth Starts  
 Solids, Liquids, and Gases  
 Some Characteristics of Liquids  
 Spectrograph, The  
 Spherical Mirrors  
 Steam for Power  
 Story of a Spark Plug, The  
 Story of a Storm  
 Story of Alfred Nobel  
 Story of Electricity  
 Story of the Modern Storage Battery  
 T. V. A.  
 Thermodynamics  
 This Vital Earth  
 Tides  
 Time  
 Time at Sea  
 Tornado  
 Transfer of Heat  
 Treasure House  
 Triode  
 Understanding Matter and Energy  
 Understanding Our Universe  
 Using the Scientific Method  
 Vacuum Practice (Advanced Science Series)  
 Vernier Scale, The  
 Water (USDA)  
 Water Cycle  
 Water in the Air  
 Water We Drink, The  
 We Explore the Beach  
 We Explore the Woodland  
 Weather (GA)  
 Weighing with the Analytical Balance  
 What Is Science  
 World Is Born  
 Work and Power  
 see also ANATOMY, ASTRONOMY, ATOM, BACTERIOLOGY, BIOLOGY, BOTANY, CHEMISTRY, CONSERVATION, EARTH SCIENCE, ELECTRICITY, GEOLOGY, HEAT, FUEL, MATHEMATICS, MINERALOGY, PHYSICS, SOUND, WEATHER

## SCIENTISTS

Galileo  
 Health Heroes: The Battle Against Disease  
 Isaac Newton  
 Louis Pasteur, Man of Science  
 Louis Pasteur, the Benefactor  
 Madame Curie  
 Mirror in the Sky  
 Story of Dr. Carver, The  
 Story of Louis Pasteur

## SCOTLAND

Children of Scotland  
 Lowlands of Scotland  
 Scottish Universities

## SCOUTS AND SCOUTING

Cub Scout in the Den  
 Cub Scout in the Home  
 Cub Scout in the Pack  
 Story of a Girl Scout Troop

## SCULPTURE, see ART; ARTISTS

## SEASONS

Autumn Is an Adventure  
 Autumn on the Farm  
 Children in Autumn  
 Children in Spring  
 Children in Summer

Children in Winter  
 Earth and Its Seasons  
 Earth and the Seasons  
 Summer Is an Adventure  
 What Causes the Seasons  
 Winter Is an Adventure

## SECRETARIAL TRAINING, see BUSINESS EDUCATION

## SEWING, see HOME ECONOMICS

## SEX EDUCATION

Biography of the Unborn  
 Growing Up (Preadolescence)  
 Human Body, The: Reproductive System  
 Human Heredity  
 Human Reproduction  
 In the Beginning  
 Miracle of Reproduction  
 Molly Grows Up  
 Name Unknown  
 Normal Birth, A  
 Sixteen to Twenty-Six  
 Story of Menstruation  
 Wonder of Reproduction, The  
 Your Body During Adolescence

## SHEET METAL WORK, see MACHINE SHOP

## SHIPS, see TRANSPORTATION; BOATS

## SHORTHAND, see BUSINESS EDUCATION

## SIAM

Siam (WDP)  
 Song of Siam

## SIGHT, see EYES

## SKIING, see WINTER SPORTS

## SNAKES, see REPTILES

## SOCCER, see RECREATION AND PHYSICAL EDUCATION

## SOCIAL SKILLS

Age of Turmoil  
 Alice Adams (Dance)  
 Alice Adams (Money Sequence)  
 Am I Trustworthy?  
 Answering the Child's Why  
 Are Manners Important  
 Are You Popular?  
 Are You Ready for Marriage?  
 Beginning Responsibility: Being on Time  
 Beginning Responsibility: Lunchroom Manners  
 Beginning Responsibility: Other People's Things  
 Beginning Responsibility: Taking Care of Things  
 Beginning to Date  
 Benefits of Looking Ahead  
 Being Different  
 Caring for Your Toys  
 Cindy Goes to a Party  
 Dating: Do's and Don'ts  
 Developing Friendships  
 Developing Imagination  
 Developing Leadership  
 Developing Responsibility  
 Developing Self-Reliance  
 Dining Together  
 Effective Criticism  
 Fairness for Beginners  
 Glen Wakes Up  
 Improve Your Personality

Let's Be Good Citizens at School  
 Let's Be Good Citizens in Our  
 Neighborhood  
 Making Friends  
 Making Yourself Understood  
 More Dates for Kay  
 Respect for Property  
 Rules and Laws  
 see also ALCOHOL AND TOBACCO,  
 BIOGRAPHIES, BUSINESS  
 EDUCATION, CIVICS,  
 COMMUNITY LIFE, COURTESY,  
 DISCUSSION PROBLEMS,  
 EDUCATION, ETIQUETTE,  
 FAMILY, INTERNATIONAL  
 RELATIONS, JUVENILE  
 DELINQUENCY, MARRIAGE,  
 PARLIAMENTARY PROCEDURE,  
 PROPAGANDA, RELIGION AND  
 ETHICS

## SOCIALISM

Two Views on Socialism

## SOCIOLOGY

Cage, The  
 Centre, The  
 Chance to Live, A  
 Cooperation, Competition, Conflict  
 Day in the Night of Jonathan Mole, A  
 Development of Individual Differences,  
 The  
 Drug Addiction  
 Experimental Studies in Social Climates  
 of Groups  
 Eye of the Beholder, The  
 Going Steady?  
 Golden Age, The  
 H—The Story of a Teen-age Drug  
 Addict  
 Harvest of Shame  
 How Green Was My Valley  
 Immigration  
 Immigration in America's History  
 Letter to a Rebel  
 Make Way for Youth  
 Man and His Culture  
 Man in the 20th Century  
 Nobody's Children  
 Palmour Street—A Study of Family Life  
 Population Patterns in the United States  
 Science in Business  
 Search Sums Up (Summary Film)  
 Social Revolution  
 Social Process, The: A Seminar with  
 Professor Harold D. Laswell  
 Street of Shadows  
 Suburban Living—Six Solutions  
 We Hold These Truths  
 Wrong Way Out  
 see also HUMAN RELATIONS;  
 INTERCULTURAL EDUCATION

## SOFTBALL

Girls, Let's Learn Softball  
 Softball for Boys  
 Softball for Girls  
 Softball Fundamentals  
 Softball Fundamentals for Elementary  
 Grades

## SOLAR SYSTEM, see ASTRONOMY

## SOUND

Fundamentals of Acoustics  
 Nature of Sound  
 Sound and the Story  
 Sound Recording and Reproduction  
 Sound Waves and Their Sources  
 Sounds All About Us  
 Sounds of Music  
 What Is Sound

## SOUTH AMERICA

Amazon, The  
 Amazon Awakens  
 Argentina (People of the Pampa)  
 Argentine Argosy  
 British Guiana

Buenos Aires and Montevideo  
 Continent of South America  
 Down Where the North Begins  
 Farmers of the Andes  
 Geography of South America:  
 Argentina, Paraguay, Uruguay  
 Geography of South America: Countries  
 of the Andes  
 Geography of South America: The  
 Continent  
 Gracias Amigos  
 Horsemen of the Pampas—Argentina  
 La Paz  
 Latin America: An Introduction  
 Life in Grasslands (Argentine Pampas)  
 Life in Hot Rain Forests (Amazon  
 Basin)  
 Life in the High Andes  
 Our Neighbors Down the Road  
 Paraguay  
 Rio de Janeiro  
 Round South America by Air  
 South America  
 This is Ecuador  
 Tropical Lowland—The Amazon River,  
 Brazil  
 see also names of countries

## SPAIN

Death in the Arena  
 Family of Lisbon, Portugal  
 Iberian Peninsula (Spain and Portugal)  
 People of Spain  
 Spain  
 Spain in the New World  
 Spain: The Land and the People  
 Spanish and Portuguese Explorations  
 (Age of Discovery Series)  
 Spanish Community Life  
 Spanish Gypsies  
 Spanish Influence in the United States  
 This Spanish Speaking World

## SPANISH LANGUAGE

Buenos Dias, Carmelita  
 Castillos en España  
 Corazon de Castilla  
 Costas de España  
 El Cumpleanos de Pepita  
 El Pueblo Guatemalteco  
 España—Una Familia de Valencia  
 Genero Y Numero Parte I  
 Genero Y Numero Parte II  
 Introductory Lesson in Spanish, An  
 La Casa Y La Tierra de Loyola  
 La Familia Sanchez  
 La Gente Del Peru!  
 La Vida en Un Pueblo  
 Los Tres Osos  
 Madrid (Spanish Language Film  
 Reader Series)  
 Mexico (HOP)  
 Mexico, Ciudad Encantadora  
 Mexico Y Sus Contornos  
 Pronombres Personales  
 Pronunciacion Y Acentuacion  
 Ser Y Estar (Spanish Instructo Film  
 No. 4)  
 Spanish Enriches the Elementary  
 Curriculum  
 Spanish: Introducing the Language  
 Sudamerica, Continente de Gran  
 Porvenir, Part I and II  
 Tierra Mexicana  
 Un Pueblo de España  
 Un Viaje a Mexico  
 Una Familia de Un Pueblo Mexicano  
 Una Hacienda Chilena (IFB)  
 Una Hacienda Mexicana  
 Vamos A Colombia  
 Vamos A Cuba  
 Vamos A Guatemala  
 Vamos A Lima  
 Vamos Al Peru  
 Verbos Regulares, Infinitivo, Indicativo  
 Y Condicional  
 Verbos Regulares Subjuntivo E  
 Imperativo  
 Vistas de Andalucia

## SPEECH

Bridges for Ideas

Effective Criticism  
 Fun with Speech Sounds  
 Fundamentals of Public Speaking  
 Getting Yourself Across  
 Good Speech for Gary  
 Is There Communication When You  
 Speak  
 Larynx and Voice (Function of the  
 Normal Larynx)  
 Let's Pronounce Well  
 Making Yourself Understood  
 Movement of the Tongue in Speech  
 Public Speaking: Movement and  
 Gesture  
 Speech: Conducting a Meeting  
 Speech: Conversation  
 Speech: Effective Listening  
 Speech: Function of Gestures  
 Speech: Group Discussion  
 Speech: Platform Posture and  
 Appearance  
 Speech: Stage Fright and What to Do  
 About It  
 Speech: Using Visuals in Your Speech  
 Speech: Using Your Voice  
 Stuttering  
 Ways to Better Conversation  
 Why Study Speech?  
 Your Voice

## SPELLING, see SCHOOL SKILLS

## SPIDERS: see INSECTS, ZOOLOGY

## SPORTS

Birth of Modern Boxing, The  
 Body Builders  
 Channel Bass and Stripers  
 Co-Ed Sports  
 Day of the Fight  
 Death in the Arena  
 Education in Sports  
 Elementary Techniques of Field Hockey  
 Harness Champions  
 Hot Ice  
 Ice Capers  
 Illinois Football Highlights of 1953  
 Junior Rodeo Daredevils  
 Lou Gehrig's Greatest Day  
 Making of a Shooter  
 Monarchs of the Ring (1st Edition)  
 Monarchs of the Ring (2nd Edition)  
 Monarchs of the Ring (3rd Edition)  
 Monarchs of the Ring (4th Edition)  
 Play Volley Ball  
 Pole Vault  
 Riding the Crest  
 Roller Skating: Roller Rhythm  
 Rose Bowl Game of 1952  
 Secrets of Success: The Band Played On  
 Skating Fantasy  
 Snow Speed  
 Splits, Spares, and Strikes  
 Sports' Golden Age  
 Sports 'Round the Globe  
 Swordsmanship  
 Tennis: Court Favorites  
 Thrills of the Surf  
 Touchdown Thrills of 1949  
 Touchdown Thrills of 1950  
 Weight Events  
 Wrestling Fundamentals and  
 Techniques: Part I, Takedowns and  
 Counters  
 Wrestling Fundamentals and  
 Techniques: Part II, Escapes and  
 Reversals  
 Wrestling Fundamentals and Tech-  
 niques, Part III, Rides and Pin Holds  
 Wrestling Thrills  
 see also CANADA, CAMPING,  
 HUNTING AND FISHING,  
 LIFESAVING AND WATER  
 SAFETY, RECREATION AND  
 PHYSICAL EDUCATION,  
 individual sports

## STEEL, see INDUSTRY AND PRODUCTION, MINES AND MINING



## STORIES

Ali and His Baby Camel  
 Ant and the Dove, The (An Aesop Fable)  
 Bring Back My Bonnie  
 Brown Bears Go Fishing  
 Captain Courageous: Fishhook Sequence  
 Country Mouse and the City Mouse, The  
 Day at the Fair  
 Easter Surprise  
 Fisherman's Boy  
 Flying a Kite  
 Free Wheeling  
 Golden Axe  
 Golden Rule: A Lesson for Beginners  
 Goldilocks and the Three Bears  
 Grey Owls' Little Brother  
 Hansel and Gretel  
 Honest Woodsman, The  
 Hunter and the Forest, The  
 I Wanted Red Wings  
 Jack and the Bean Stalk  
 Jimmy Visits the City  
 Johnny Appleseed: A Legend of Frontier Life  
 King and the Lion  
 King Midas and the Golden Touch  
 Legend of the Pied Piper  
 Little Indian Weaver, The (silent)  
 Little Red Riding Hood  
 Lost World, A  
 Magic Feather  
 Man of Stone  
 Merry Christmas (UW)  
 Mrs. and Mr. Peacock  
 Moans and Groans  
 Monkey Who Would Be King, The  
 Monkeys Meet the People  
 Moonbird  
 Mother Cat and Her Baby Skunks  
 Mother Duck's Surprise  
 Mother Goose Stories (Storybook Review)  
 North Wind and the Sun, The (An Aesop Fable)  
 Paul Bunyan and Johnny Inkslinger  
 Paul Bunyan and the Blue Ox  
 Pirro and the Alarm Clock  
 Pirro and the Blackboard  
 Pirro and the Lamp  
 Pirro and the Magnet  
 Pirro and the Phonograph  
 Pirro and the Scale  
 Pirro, Hello  
 Princess and the Dragon  
 Puss in Boots  
 Rapunzel  
 Red Hen  
 Roy, Sheep Dog of the Scottish Highlands  
 Rumpelstiltskin  
 Sailing a Toy Boat  
 Spider and the Ant, The  
 Sleeping Beauty (EB)  
 Sleeping Beauty—Briar Rose (C)  
 Snow White and the Seven Dwarfs  
 Steadfast Tin Soldier, The  
 Tall Ship on Deep Waters  
 Tall Tales  
 Thirsting Stones, The  
 Three Fox Fables  
 Three Wishes, The  
 Toyland Adventure  
 Ugly Duckling (C)  
 Ugly Duckling (EB)  
 William Tell (C)

see also **ENTERTAINMENT FILMS:**  
**CARTOONS AND COMEDIES,**  
**ANIMAL STORIES**

## STUDY SKILLS, see **SCHOOL SKILLS**

## SUGAR

Sugar Cane  
 Sugar, U. S. A.

## SUN, see **ASTRONOMY, EARTH AND EARTH SCIENCE**

## SWEDEN

People of a City  
 Ports of Industrial Scandinavia—Sweden's East Coast  
 Stefan on Sunday  
 Sweden (This World of Ours)  
 Sweden Looks Ahead  
 Swedish Family Story

## SWIMMING AND DIVING

Advanced Swimming  
 Artificial Respiration: Back Pressure  
 Arm Lift Methods  
 Beginning Swimming  
 Diving Fundamentals  
 Dolphin Kick, The  
 Elementary Tactics of Lifesaving  
 Fundamentals of Diving  
 Fundamentals of Creative Swimming:  
 Part I—Strokes and Stroking Skills  
 Fundamentals of Creative Swimming:  
 Part II—Body Positions and Figures  
 Fundamentals of Swimming  
 I'm No Fool in Water  
 Learning to Swim  
 Matt Mann's Swimming Techniques for Boys  
 Matt Mann's Swimming Techniques for Girls  
 Safe Swimming  
 Springboard and Front Approach  
 Springboard Diving  
 Springboard Techniques  
 Swan Dive and Front Jack-Knife  
 Swimming and Diving Aces  
 Swimming for Beginners  
 Swimming—Crawl Stroke  
 see also **LIFESAVING AND WATER SAFETY**

## SWITZERLAND

Children of Switzerland  
 Children of the Alps  
 Life in the Mountains  
 Lugano  
 Mountain Farmers (Switzerland)  
 Peace Loving Switzerland  
 Switzerland (This World of Ours Series)  
 Switzerland (WDP)  
 Switzerland Today

## TEACHING, see **EDUCATION**

## TEETH, see **DENTAL HEALTH**

## TELEPHONE, see **COMMUNICATION**

## TELEVISION

Basic Television Series: Antenna Installation  
 Basic Television Series: Deflection Output Circuits  
 Basic Television Series: Localizing Troubles  
 Basic Television Series: Practical Television Alignment  
 Basic Television Series: Television Receivers  
 Basic Television Series: Television System  
 How Television Works  
 Radio and Television  
 Television: How It Works  
 Television in Your Community  
 Television Is What you Make It  
 Television Today  
 Time for Television

## TENNIS

Advanced Tennis  
 Beginning Tennis  
 Fundamentals of Tennis

Technique of Tennis  
 Tennis: Court Favorites  
 Tennis for Beginners  
 Tennis Tactics  
 Tennis Techniques

## TEXTILES, see **HOME ECONOMICS**

## THAILAND

Bangkok: Oasis on a Troubled Continent  
 Screen Magazine (Thailand's Streams of Life)  
 Thailand, Land of Rice

## THEATER, see **DRAMA**

## TIME

Mystery of Time  
 Story of Time  
 Telling Time by the Clock  
 Time  
 What Time Is It?  
 see also **CALENDAR**

## TOOLS

ABC of Hand Tools  
 Care and Use of Hand Tools: Hammer  
 Claw Hammer and Nail Set  
 Fundamentals of Filing  
 Hack Saws  
 Hand Plane, The  
 Hand Saws  
 Pliers and Screwdrivers  
 Plumb Tool: Hammer  
 Punches  
 Wrenches  
 see also **INDUSTRIAL ARTS**

## TRACK AND FIELD

Bannister Wins the Mile Run  
 Broad Jump  
 Dashes, Hurdles and Relays  
 Discus  
 Distance Races  
 Fundamentals of Track and Field  
 High Jump (C)  
 High Jump (Track and Field Instruction Series)  
 Hurdles, The (UW)  
 Hurdles (Track and Field Instruction Series)  
 Javelin  
 Jumps and Pole Vaults  
 Middle Distances  
 Pole Vault (Track and Field Instruction Series)  
 Relays, The  
 Running Broad Jump  
 Shot Put (UW)  
 Shot Put (Track and Field Instruction Series)  
 Sprints, The  
 Weight Events

## TRANSPORTATION

Achievement in the Air  
 Age of Specialization  
 Air Transportation  
 Airlines to Anywhere  
 Airplane Trip, An  
 Airport  
 Airways Flying  
 Airways of the Future  
 Along the Lifeline of the British Empire  
 American Road, The  
 Arteries of New York City  
 Behind the Scenes at the Airport  
 Big Wide Highway, The  
 Bob Learns About Ocean Trade  
 Bus Driver  
 Busy Harbor, The  
 Captain Brown, Harbor Pilot  
 Completion of the First Transcontinental Railroad  
 Cruise Ship  
 Development of Transportation in the United States  
 Early Days, The

Gasoline Age, The  
Great Lakes  
Great Lakes, The: Highway of  
Commerce  
Great Lakes, The: Their Link with  
Ocean Shipping  
Horizons Unlimited  
Inland Waterways  
Locks of Sault St. Marie, The  
Man in Flight  
Mr. Barnaby Sleeps in the Sky  
Roads South  
St. Lawrence Seaway  
Seaports of the Pacific Coast  
Steam Age, The (History of  
Transportation in the U.S.) Part I  
Story of Transportation and Travel  
Transportation: America's Inland  
Waterways  
Transportation by Air  
Transportation by Land  
Transportation by Water  
Transportation in the Modern World  
Truck Transport—on the Long Haul  
Trucks that Serve Our City  
see also AVIATION, AUTOMOBILES,  
COMMUNICATION, HISTORY,  
RAILROADS, BOATS

## **TREES, see BOTANY, FOREST AND FORESTRY**

## **TUMBLING**

Advanced Tumbling  
Beginning Tumbling  
Intermediate Tumbling  
Trampoline Fundamentals  
see also GYMNASTICS

## **TURKEY**

Ankara and Central Turkey  
Ataturk  
Introducing Turkey  
Istanbul and Izmir  
Turkey  
Turkey, A Middle East Bridgeland  
Turkey: A Strategic Land and Its  
People  
Turkey: Key to the Middle East

## **TYPEWRITING, see BUSINESS EDUCATION**

## **UNITED NATIONS**

Battle for Bread  
Charter, The (United Nations)  
Fate of a Child  
Highlights of the United Nations  
1947-1948  
Highlights of the United Nations 1950  
In the Wake of the Armies  
Korea Story, The  
One World or None  
Overture  
Pattern for Peace—Charter of the  
United Nations  
People's Charter  
Tower of Destiny  
Two Way Street  
United Nations and World Disputes,  
The  
United Nations at Work  
United Nations, New York (UN  
Postage Stamps)  
We, the People  
Workshop for Peace  
see also INTERNATIONAL  
RELATIONS

## **UNITED STATES: CITIES AND STATES**

Arizona  
Arizona and Its Natural Resources  
Chicago  
Connecticut  
Florida  
Florida Holiday  
Glamour Street  
Idaho and Its Natural Resources

Illinois  
Indiana  
Industrial Lake Port—Buffalo, New  
York  
Living in a Metropolis—Metropolitan  
New York  
Lumber States  
Maine Harbor Town (U.S.A. Northern  
New England)  
Massachusetts  
Middle States, The  
Modern Hawaii  
Montana (This Land of Ours Series)  
Most Beautiful City in the World  
(Washington, D.C.)  
Nation's Capital, The  
Natural Resources of the Pacific Coast  
New Hampshire  
New Mexico  
New Orleans—Gateway to the World  
New York City  
New York—The Wonder City  
Ohio  
Old and Modern New Orleans  
Omaha—Rail Metropolis of the Plains  
Oregon  
Oregon and Its Natural Resources  
Port of New York  
Rhode Island (This Land of Ours  
Series)  
Story of a City: New York  
Texas  
Texas and Its Natural Resources  
United States Expansion: Florida  
United States Expansion: The  
Louisiana Purchase  
United States Expansion: The Oregon  
Country  
Utah (This Land of Ours Series)  
Vermont (This Land of Ours Series)  
Washington (UW)  
Washington, D. C.—Story of Our  
Capital  
Washington Parade  
Washington State (This Land of Ours  
Series)  
Washington—The Capital City (This  
Land of Ours Series)  
Wyoming  
see also COMMUNITY LIFE

## **UNITED STATES: GEOGRAPHY**

America the Beautiful  
America's Wonderlands  
Arizona and Its Natural Resources  
Arteries of Life  
California (MO)  
California (This Land of Ours Series)  
California and Its Natural Resources  
California Boomtown  
Changing Cotton Land—Southeast  
U.S.A.  
Death Valley National Monument  
Dust Bowl  
Earth—Latitude and Longitude  
Empire of the West  
Far Western States, The  
Geography from the Air  
Geography of New England  
Geography of the Middle Atlantic  
States  
Geography of the North Central States  
Geography of the Pacific States  
Geography of the Rocky Mountain  
States  
Geography of the Southern States  
Geography of the Southwestern States  
Geography of the United States: An  
Introduction  
Geography of Your Community  
Giant of the North  
Glaciers  
Grand Canyon (IFI)  
Grand Canyon (WDP)  
Great Lakes  
Great Lakes, The: How They Were  
Formed  
Growth of Cities  
Historic New England  
Industrial Lake Port—Buffalo, New  
York  
Influence of Geography and History on  
the Port of New York  
Introducing the United States  
Land of Niagara

Last of the Wild West  
Mississippi River: Lower River  
Mississippi River: Upper River  
Mountains (Primary Geography)  
New South, The  
Niagara Falls  
Northeastern States, The  
Northwest, U.S.A.  
Northwestern States, The  
People Along the Mississippi  
People of the Western Shore  
Population Patterns in the United States  
Rockefeller Center  
Rocky Mountains—Continental Divide  
St. Lawrence Seaway  
Seaports of the Pacific Coast  
Skyline New York  
Southeastern States, The  
Southwestern States, The  
Spirit of the Earth  
This Is T.V.A.  
Thundering Waters  
Trading Centers of the Pacific Coast  
U.S.A. (PAA)  
United States Expansion: Northwest  
Territory  
United States Expansion: Texas and the  
Far Southwest

## **UNITED STATES: GOVERNMENT**

Archives, The  
Basic Court Procedures  
Bill of Rights, The  
Bill of Rights of the U.S., The  
Born Equal  
Conduct of Congressional  
Investigations, The  
Congress, The  
County Government  
Day in Congress  
Day with the F.B.I., A  
F.B.I., The (McGH)  
F.B.I., The (20th Century)  
Federal Government, The  
Federal Taxation  
How a Bill Becomes a Law  
Inside the Federal Bureau of  
Investigation  
Justice Under Law  
Legislative Process, The  
Make Mine Freedom  
Meaning of Elections  
Our National Government  
Planning Our Foreign Policy  
Political Parties  
Politics and Elections  
Presidency, The (MOT)  
President, The  
Presidential Elections  
President's Cabinet  
Property Taxation  
Supreme Court, The (EB)  
Supreme Court, The (C)  
Supreme Court, The (MOT)  
T-Men of the Treasury Department  
Vice Presidency, The  
see also CIVICS

## **UNITED STATES: HISTORY, see AMERICAN HISTORY**

## **UNIVERSITIES AND COLLEGES**

College: Your Challenge  
Freedom to Learn  
Oxford University  
Serving the Whole State  
Should I Go to College?  
Student Life  
Voices of a Great University

## **URUGUAY**

Uruguay  
Young Uruguay

## **VENEREAL DISEASE, see SEX EDUCATION**

## **VENEZUELA**

Assignment: Venezuela



Columbia and Venezuela  
 Venezuela  
 Venezuela Moves Ahead

**VOCABULARY, see SCHOOL SKILLS**

**VOCATIONAL EDUCATION, see EDUCATION, also areas of special interest**

**VOLCANOES, see GEOLOGY, EARTH AND EARTH SCIENCE**

**VOLLEYBALL, see SPORTS**

**WATER SUPPLY AND USE**

Chemistry of Water  
 City Water Supply  
 Clean Waters  
 Grass Downfield Waterways  
 Ground Water  
 How Water Helps Us  
 Importance of Water  
 Irrigation to Make the Desert Bloom  
 Mysteries of Water  
 Properties of Water  
 Visit to the Waterworks, A  
 Water for the Community  
 Water for Farm and City  
 Water, Friend or Enemy  
 Water Power  
 Water Supply  
 Water, Water, Everywhere  
 Water Works for Us  
 Your Friend, the Water

**WEATHER**

Air Masses and Fronts  
 Atmosphere and Its Circulation  
 Atmospheric Pressure  
 Clouds (UW)  
 Clouds (AL)  
 Flood Weather  
 Great Winds: Part I Circulation  
 Great Winds: Part II Distribution of Pressure and Winds  
 How Weather Is Forecast  
 Hurricane Circuit  
 Hurricane Watch  
 Inside the Weather  
 Modern Weather: Theory and Structure of Storms Part I Primary Circulation  
 Modern Weather: Theory and Structure of Storms Part II Development and Characteristics of Atmospheric Waves  
 Modern Weather: Theory and Structure of Storms Weather in Various Parts of an Occluded Wave  
 Origin of Weather  
 Our Weather  
 Prophet Without Honor  
 Thunderstorms

Tornado  
 Warm Fronts  
 Weather, The (EB)  
 Weather Research, The  
 Weather Station, The  
 Weather Wizards  
 see also CLIMATE

**WEAVING, see ART: CRAFTS, ARTISTS**

**WEIGHTS AND MEASURES: see ARITHMETIC**

**WELDING, see INDUSTRIAL ARTS**

**WEST INDIES**

West Indies, The (C)  
 West Indies, The (EB)  
 see also CUBA; CARIBBEAN

**WINTER SPORTS**

Hot Ice  
 Ice Capers  
 Introduction to the Art of Figure Skating  
 Ski Thrills  
 Snow Ranger  
 Winter Sports

**WOODWORK**

Beveling, Mitering, Rabbeting, and Dadoing  
 Beveling, Stop Chamfering and Tapering Square Stock  
 Centering Small Stock  
 Face Planing Uneven Surfaces  
 Furniture Craftsmen  
 Furniture Making  
 Industrial Arts: Boring and Drilling Tools  
 Industrial Arts: Chisel and Gouges  
 Industrial Arts: Joining and Gluing  
 Industrial Arts: Knowing Woods and Their Uses  
 Industrial Arts: Measuring and Squaring Tools  
 Industrial Arts: Planes  
 Industrial Arts: Safe Shop  
 Industrial Arts: Using Nails and Screws  
 Industrial Arts: Wood Finishing  
 Molding with a Gated Pattern  
 Molding with a Loose Pattern  
 Molding with a Split Pattern  
 Planing Rough Surfaces to Dimensions  
 Rabbeting and Shaping an Edge on Straight Stock  
 Ripping and Crosscutting  
 Turning a Cylinder between Centers  
 Wood Turning  
 Woodworking  
 see also INDUSTRIAL ARTS; FOREST

**WRESTLING, see SPORTS**

**WRITING**

Alphabet: Milestones in Writing  
 History of Writing  
 Improve Your Handwriting  
 Manuscripts: Milestones in Writing  
 Papyrus (Milestones in Writing)  
 Penmanship Improver  
 Pictographs: Milestones in Writing  
 Writing Through the Ages  
 see also SCHOOL SKILLS

**ZOO, see ANIMALS**

**ZOOLOGY**

Amoeba and Vorticella  
 Amphibians  
 Amphibians, Frogs, Toads, and Salamanders  
 Animal Life  
 Beaver, The  
 Beaver Valley  
 Beetles  
 Bird Community, The  
 Blind As a Bat  
 Dogfish as a Vertebrate, The  
 Earthworms (UW)  
 Frog  
 Frogs and Toads  
 Frog's Life  
 Ghost of the Golden West  
 Heredity in Animals  
 How Do You Zoo  
 How Nature Protects Animals  
 Hunting Animals of the Past  
 Hydra, The  
 In the Beginning  
 Kangaroos  
 King Cobra  
 Life Cycle of Diphyllbothrium Latum  
 Life Cycle of the Frog  
 Life Cycle of the Mosquito  
 Life Cycle of the Muscovy Duck  
 Living Mammal, The  
 Meiosis—in Spermatogenesis of the Grasshopper  
 Mollusks  
 Newt, The  
 Paramecium  
 Rabbit (IFB)  
 Reproduction in Animals  
 Reproduction in Mammals  
 Rumen Story, The  
 Seal Island  
 Skin (EB)  
 Slow as in Sloth  
 Spring Comes to a Pond  
 Spring Is an Adventure  
 Toads  
 Worms (EB)  
 Worms to Wings  
 see also ANIMALS; BIOLOGY; GENETICS

# FILM DESCRIPTION

## A IS FOR ARCHITECTURE (IFB)

h-c-a 30 minutes Color: \$9.10

The film illustrates the story of man's monumental urge to perpetuate in stone and metal the pride and spirit of his day. The changing concepts in architecture from ancient temples on the Nile to the towering skyscrapers of today are shown and how they reflect the values of each age.

## A IS FOR ATOM (GE)

j-h-c-a 15 minutes Color: \$3.50

An explanation is given in simple terms of what an atom is; how energy is released from certain kinds of atoms; and what the peacetime uses of atomic energy and the by-products of nuclear fission could be.

## A PARIS (FRENCH TEACHING SERIES) (IFB)

h-c-a 18 minutes B&W: \$3.65

Glimpses of the cultural life, business and trade, and the various neighborhoods of the city of Paris. French dialogue.

## A PLUS B SQUARED (IFB)

j-h 10 minutes B&W: \$2.15

Animation is used to demonstrate the meaning of  $(A + B)^2$  in a way that will convey the idea that algebraic statements have concrete meaning and visual form.

## ABC OF G, THE (CAA)

h-c 22 minutes Color: \$2.15

Presents the problem of high acceleration and its physical effects on pilots. Studies the effect of G on the pilot in different flights. Demonstrates the accelerometer and the centrifuge. Gives some suggestions for advancing the blackout threshold. Revision of the first two reels of the film, G AND YOU.

## ABC OF HAND TOOLS (GM)

j-h-c-a 36 minutes Color: \$7.15

Part I: Depicts the use and care of basic tools such as the hammer, screw driver, pliers, and wrench. Part II: Shows the proper use of the file, saw, chisel, plane, and punch.

## ABC OF POTTERY MAKING (COIL METHOD) (IFB)

i-j-h-c-a 9 minutes B&W: \$2.15

Indicates some of the common methods used in pottery making such as thorough wedging of the clay and rolling the coils. To further understand the basic principles of this art, the film presents forming the base, applying the coils, blending one coil into another, shaping on the potter's wheel, and smoothing with a wet sponge.

## ABC OF PUPPET MAKING: PART I (2nd EDITION) (BFS)

p-i 10 minutes B&W: \$2.15

Demonstrates procedures in the making and dressing of the simplest types of stringless hand puppets. The film shows how inexpensive materials such as cardboard, cotton, an old sock, glue, thread and water color paints may be used simply and effectively. Formation of the head, decorating and painting the features, and making the costumes are illustrated.

## ABC OF PUPPET MAKING: PART II (2nd EDITION) (BFS)

p-i 10 minutes B&W: \$2.15

Shows how to make a puppet head with built-up features through the use of picture wire and papier mache, and how to hold and manipulate a puppet skillfully. Various puppet types and characters are suggested. The picture also shows the building of a simple theatre and the operation by children of several puppet characters in presenting a short play.

## ABC OF THE AUTOMOBILE ENGINE (GM)

h-c-a 18 minutes Color: \$4.85

An animated film explaining the parts and workings of the automobile engine. The three basic ingredients that make an engine operate—fuel, air, and ignition—are personified as cartoon characters. The functions of the carburetor, pistons, piston rings and pins, connecting rods, crankshaft, valve mechanism, ignition, cooling and lubrication systems are shown.

## ABC OF THE DIESEL ENGINE (GM)

j-h-c-a 20 minutes Color: \$4.95

An animated film showing the fundamentals of the operation of a diesel engine. Air, fuel, and ignition are personified as cartoon characters. Examples of the use of the engines as a source of power in industry and transportation are given.

## ABC OF WALKING WISELY (SD)

p-i 10 minutes B&W: \$2.35

"Walk wisely" is a good rule to follow. People walk in the streets like the alphabet: "J" Walker crosses the street carelessly; "G" Walker is always gawking, etc. Gives rules for walking wisely.

## ABC'S OF BEEF COOKERY (ASF)

h-c-a 14 minutes Color: \$4.25

Illustrates different techniques of preparing rib roast, pot roast, Swiss steak, sirloin steak, beef stew and hamburgers.

## ABC'S OF DECORATING YOUR HOME (BHG)

h-c-a 30 minutes Color: \$8.65

Home management involves the problem of making the home livable and attractive. Enlightening color photography focuses on some of the answers to home decorating and furnishing.

## ABOU BEN BOOGIE (UW)

p-i 8 minutes B&W: \$1.70

An animated cartoon showing Abou Ben Boogie doing the Boogie Woogie.

## ABOUT MONEY (CHP)

p-i 7 minutes Color: \$3.40

Demonstrates the proper ways for spending an allowance. Narrated by a boy of eight or nine who explains to his small sister the sources of his personal funds and what he does with them.

## ABOUT RUMORS (UW)

j-h-c-a 17 minutes Color: \$4.55

Describes the harmful effects that rumors may have. Prepared for use by U.S. Armed Forces Personnel.

## ABOUT THE HUMAN BODY (CW)

i 15 minutes Color: \$5.30

A boy's visit to a doctor's office for a physical examination is the occasion for a discussion of the more important body systems. Using animation, the film explores the function and uses of bones, ligaments and muscles. It shows the working of the nervous, respiratory, digestive and circulatory systems.

## ABOVE THE TIMBERLINE (THE ALPINE TUNDRA ZONE) (McGH)

j-h-c-a 18 minutes Color: \$6.15

Photographed in the Canadian Rockies, the film describes the climatic conditions of the Alpine tundra vegetation belt and examines the hardy plant and animal life that can survive the rigors of high altitudes and extreme temperatures.

## ABRAHAM LINCOLN (EB)

i-j-h 20 minutes B&W: \$4.15

Re-enacts incidents in Lincoln's life which characterize him as an outstanding exponent of human freedom. Traces interesting events of his early boyhood which reveal his unforgettable qualities of integrity, humor, common sense, and tenderness. Points to his several careers as store clerk, woodsman, lawyer, husband, father, congressman, and President. Associates familiar Lincoln quotations with the incidents which prompted them.

## ABRAHAM LINCOLN: A BACKGROUND STUDY (C)

i-j-h-c-a 15 minutes B&W: \$3.65, Color: \$5.65

Lincoln is studied in relation to the historical period in which he lived. The film aims to develop an interest in the life, writings, and speeches of Abraham Lincoln by showing his great contributions to present day life. The Kentucky hills, Indiana backwoods, and the Illinois prairie country where Lincoln lived and traveled, all provide a realistic background to this presentation.

## ABRAHAM LINCOLN: A STUDY IN GREATNESS—PART I—YOUTH (LINE)

general 18 minutes Color: \$6.00

A combination of biography and travelogue without the use of live actors. Through the use of natural settings in Kentucky, Indiana, and Illinois and statues and reliefs of Lincoln, this excellent series creates the feeling that the viewer has walked and seen the places where he lived. *Part I—Youth* covers the years from Lincoln's birth to the age of 21—the years spent in Kentucky and Indiana.



## ABRAHAM LINCOLN: A STUDY IN GREATNESS— PART II—ILLINOIS YEARS (LINE)

general 18 minutes Color: \$6.00  
A combination of biography and travelogue without the use of live actors. Through the use of natural settings in Illinois and statues and reliefs of Lincoln, this excellent series creates the feeling that the viewer has walked and seen the places where he lived. *Part II—Illinois Years* covers the Black Hawk War and New Salem periods, Lincoln's entry into politics, his debates with Douglas, and his election to the presidency.

## ABRAHAM LINCOLN: A STUDY IN GREATNESS— PART III—THE WAR YEARS (LINE)

general 18 minutes Color: \$6.00  
A combination of biography and travelogue without the use of live actors. Through the use of natural settings in historical spots and statues and reliefs of Lincoln, this excellent series creates the feeling that the viewer has walked and seen the places where he lived. *Part III—The War Years* focuses on Lincoln's years in Washington as war president, emancipator, and orator.

## ACCENT AIGU: AU RESTAURANT (FFC)

h-c-a 11 minutes B&W: \$2.35  
Marcel and Jacqueline call for Bill and Betty to take them out to dinner in Paris. At the restaurant they order their meal, listen to music, and make plans to go to the theater afterwards. They talk of the voyage Bill and Betty have made from America to France, and plan things to do in France. French commentary and dialogue.

## ACCENT AIGU: COURSES ET ACHATS (FFC)

h-c-a 11 minutes B&W: \$2.35  
Bill takes a shopping trip in Paris. He rides the bus and he visits the barbershop, the "chemisier," and several stores. When he returns he shows Marcel what he has bought. French commentary and dialogue.

## ACCENT AIGU: L'ARRIVEE A PARIS (FFC)

h-c-a 11 minutes B&W: \$2.35  
Follows Bill Johnson and his sister Betty as they land at Le Havre, France, take a boat to Paris, and go to the Sorbonne to live. They meet Marcel, a friend of Bill's and plan to go to dinner with him and Jacqueline, Marcel's friend. The porter takes Bill to his room and makes sure he is satisfied with it. French commentary and dialogue.

## ACCENT AIGU: VISAGES DE LA VILLE LUMIERE (IFB)

h-c 22 minutes B&W: \$4.35  
Betty Johnson and her French friend, Jacqueline, describe Paris as the film shows many familiar views of the city. The idioms and linguistic abstractions of the unusual first-year grammar.

## ACCENT ON LEARNING (OSU)

c-a 27 minutes B&W: \$4.65  
Designed to acquaint teachers on the college and university level with audio-visual techniques. Attempts to answer the question "what is teaching?" by showing the different teaching methods employed by instructors at Ohio State University. Audio-visual aids are strongly recommended and demonstrated in actual classroom situations.

## ACCIDENT BEHAVIOR (PRP)

j-h-c-a 18 minutes B&W: \$3.65  
Explains a step by step procedure to follow when involved in an automobile accident. Shows care of the injured; hazards of fire; legal responsibilities; and many other phases of accident behavior.

## ACCIDENTS DON'T HAPPEN: HANDLING (UW)

h-a 6 minutes B&W: \$1.20  
A brief lesson on how accidents may be avoided when handling heavy sacks, crates, etc.

## ACCIDENTS DON'T HAPPEN: MACHINES (UW)

h-a 8 minutes B&W: \$1.70  
Shows how minor carelessness in handling machinery may lead to accidents.

## ACCIDENTS DON'T HAPPEN: ORGANIZATION (UW)

h-a 10 minutes B&W: \$2.25  
A demonstration of how safety committees can lower the accident rate in industry.

## ACCORDING TO PLAN (ENGINEERING DRAWING SERIES) (McGH)

c 9 minutes B&W: \$2.25  
This film encourages the student to approach the course of engineering drawing with a right attitude. Demonstrates the need for engineering drawing and its importance as a language or means of communication in modern production activities.

## ACCOUNTING AND CALCULATING MACHINES (TAE)

h-c-a 11 minutes B&W: \$2.15  
An animated sequence compares hand bookkeeping and machine accounting methods. The various types of modern accounting machines are also shown.

## ACCOUNTING—THE LANGUAGE OF BUSINESS (ASF)

j-h-c-a 20 minutes B&W: \$3.15  
Illustrates the significance of public accounting in modern business by specific cases in which a CPA helps to solve practical problems for his clients.

## ACE IN THE HOLE (UW)

general 7 minutes B&W: \$1.55  
Woody Woodpecker has decided that he wants to be a flyer. He finally gets his wish—not quite like he expected.

## ACIDS, BASES, AND SALTS (C)

h-c 20 minutes Color: \$7.00  
Surveys briefly the early theories of Arrhenius and later theories of Brönsted and Lowry, and Lewis. Uses the Arrhenius of classical definition of acids, bases, and salts to explore the properties and uses of these important chemical compounds whose water solutions contain ions. Shows the household and industrial uses of each of these compounds and the ways of preparing them commercially and in the laboratory.

## ACROBATICS (CAA)

c 17 minutes B&W: \$2.15  
Shows a brief scene of a duel between two fighter planes. Through the use of animation, shows how the controls of a plane operate and their effect on the attitude of the plane. Demonstrates the use of controls on a slow roll, loop, snap roll, half roll, and reverse, vertical reverse and Immelman turn.

## ACT YOUR AGE (C)

j-h 13 minutes B&W: \$3.55  
Students will see some of the more common types of "infantile reactions"—temper, weeping, inability to "take a joke," as well as other forms of emotional immaturity. They will learn the basic reasons for the continuance of these signs of emotions into adolescence. To help overcome the social handicaps that come with inability to grow up, the film offers a method of self-evaluation.

## ACTING PROBLEMS (IFB)

h-c-a 10 minutes B&W: \$2.15  
Adaptation of Mark Twain's "Tom Sawyer" serves as an illustrative example of improvisation, character development, and tempo-rhythm.

## ACTION OF LENSES AND SHUTTERS (OSU)

h-c-a 17 minutes B&W: \$2.15  
For use in basic photography classes, the camera student learns about the control of the depth of field by the leaf-type aperture. Three types of shutters are illustrated to complete the lesson. The viewer sees the air-operated, spring-driven, and gear-driven shutters to round out the sequence.

## ACTIVITY GROUP THERAPY (CU)

c-a 50 minutes B&W: \$7.40  
For over two years, hidden cameras and microphones recorded the development in activity-group therapy of a group of emotionally disturbed and socially maladjusted boys, ages 10-11. Shows the therapeutic situation and the variety of relationships within the group, spontaneous constructive and destructive tendencies of the boys, the role of the therapist, and the gradual improvement in the personalities of the boys. *Restricted to Professional Audiences.*

## ACTS OF COURTESY (YA)

i-j 10 minutes B&W: \$2.15  
Shows the relationship between courtesy and our laws and customs, and explains that courtesy is the something extra you do to show your regard and respect for others.



**ADAN OF THE ANDES, PERU (WHF)**

**h-c-a** 30 minutes **B&W: \$4.15**  
 Adan, a Peruvian Indian youth, lives three miles up in the Andes mountains. After his father is killed in a mountain accident, Adan leaves home seeking a way to help his neglected people. Solving this problem, he finds a new way of life. Filmed against the fabulous city of Cuzco, Inca capital and stronghold of the Conquistadores, as well as many other scenic places in the Peruvian Andes.

**ADAPTATIONS OF PLANTS AND ANIMALS (C)**

**i-j** 14 minutes **Color: \$4.20**  
 The adaptations of living things to environment for food-getting, and for protection. Selective views and directed observation of a variety of plants and animals lead pupils to an awareness of the principle of adaptation so important to survival.

**ADDING AND SUBTRACTING (JHP)**

**p-i** 10 minutes **B&W: \$2.15**  
 Presents simple number stories from the children's world of leaves, marbles, apples, coins, toy boats, white mice and ducks. Emphasizes how the numbers change with the action of the story and illustrates the corresponding arithmetic problem in addition and subtraction. There are numerous illustrations defining the terms used.

**ADDITION IS EASY (C)**

**p-i** 10 minutes **B&W: \$2.25**  
 What is addition? How is it done? Billy needs to buy a set of paints but he wants to buy a baseball bat too. Has he enough money for both in his own bank? This simple and effective film lesson establishes the basic concepts and demonstrates the methods of addition which are all-important to a solid foundation for the study of mathematics.

**ADDRESSING ENVELOPES (BEF)**

**j-h-c-a** 11 minutes **B&W: \$2.25**  
 The correct procedure for addressing envelopes is shown.

**ADJUSTMENTS AFTER FLIGHT CHECK (CAA)**

**h-c** 18 minutes **B&W: \$2.15**  
 Shows some causes of nose-heaviness, tail-heaviness, yawing, torque tendency, rough propeller, and ground looping; how to determine the particular cause of these troubles; and how to make the necessary adjustments.

**ADMINISTERING THE KUHLMANN-ANDERSON TEST (BFS)**

**c-a** 17 minutes **B&W: \$3.35**  
 This film reviews in detail the directions for administering the Kuhlmann-Anderson test "B" in a way that it benefits all participating pupils.

**ADMINISTRATION OF PROJECTIVE TESTS (PSU)**

**c-a** 20 minutes **B&W: \$4.15**  
 Burgess Meredith acts as the subject to demonstrate a variety of standard projective tests including Rorschach, TAT, Szondi, and sentence completion.

**ADMIRAL DEWEY'S VICTORY AT MANILA (YOU ARE THERE) (CBS)**

**j-h-c-a** 27 minutes **B&W: \$5.65**  
 A significant event in the Spanish-American War is depicted by Dewey's victory over the Spanish fleet at Manila on May 1, 1898, and the doubtful moments preceding his decision to enter Manila Bay.

**ADOBE VILLAGE (VALLEY OF MEXICO) (UW)**

**i-j-h** 17 minutes **B&W: \$4.15**  
 Illustrates how areas colonized by Spanish peoples in the Western Hemisphere are characterized by much "blood-blending." A maize culture has developed with life centered in the village, especially in the church of the village.

**ADOLF DEHN'S TECHNIQUE IN WATER COLOR (H) (SILENT)**

**j-h-c-a** 20 minutes **Color: \$6.35**  
 Illustrates the complete process of creating a water color of an American scene.

**ADULT EDUCATION (UW)**

**h-c-a** 21 minutes **B&W: \$3.15**  
 Shows how adult education brings personal satisfaction to people, provides an opportunity for economic advancement, and even enables them to become more useful to the community. Adult students are seen at Bryant School, Woodside, Long Island, through the regular evening classes schedule.

**ADVANCE THE BOMBER LINE (AIR POWER SERIES) (CBS)**

**h-c-a** 30 minutes **B&W: \$5.65**  
 How American forces took the key islands in the Pacific—culminating in the big battle of Saipan—so that our B-29 Superfort bombers could have a base from which to mount aerial attacks on the Japanese mainland.

**ADVANCED MANEUVERS (CAA)**

**j-h-c** 10 minutes **B&W: \$2.15**  
 The following maneuvers are illustrated: stalling, spinning, flying a steep turn, mushing, ground looping, spirals, and acrobatics.

**ADVANCED SWIMMING (OF)**

**j-h-c-a** 10 minutes **B&W: \$2.15**  
 Shows techniques that are essential to championship swimmers—breathing, body alignment, and arm and leg action.

**ADVANCED TENNIS (OF)**

**j-h-c-a** 11 minutes **B&W: \$2.15**  
 Bill Tilden reviews tennis fundamentals and then explains some advanced techniques. Demonstrations and illustrations of net game, footwork, smash, service, and volley are photographed from front, back, side, and overhead to allow study from every angle.

**ADVANCED TUMBLING (C)**

**j-h-c** 10 minutes **B&W: \$2.15**  
 Presents fourteen advanced stunts grouped in a balance progression, backward somersault progression, and forward somersault progression. Stresses that mastery of tumbling makes athletes less prone to injury in other more vigorous sports.

**ADVANCED TYPING—DUPLICATING AND MANUSCRIPT (UW)**

**h-c** 25 minutes **B&W: \$4.15**  
 Demonstrated in this film is the proper method of making masters for duplicating machine use, correcting mistakes on a stencil, the use of the illuminated drawing board for tracing lines, making hectograph masters, correcting mistakes when using hectograph ribbons or carbon, use of various types of duplicating machines, and typing manuscripts with footnotes. Centering on the typewriter and reading proofreader marks are also explained.

**ADVANCED TYPING—SHORTCUTS (UW)**

**h-c** 30 minutes **B&W: \$4.15**  
 The importance of good posture and having your equipment arranged is stressed along with demonstrations on how to use the tab stops, tab bar, and decimal tabulator key. How to handle carbon packs; use the pressure indicator; make proper erasures; insert missing words and letters; remove extra words and letters; type cards, envelopes and labels; and draw vertical and horizontal lines are also shown.

**ADVENT OF ANESTHESIA (MCC)**

**h-c-a** 8 minutes **B&W: \$1.65**  
 Before anesthesia, major operations were crude and hurried because of the intense suffering of the patient. The film shows a re-enactment of the first public demonstration of the use of anesthesia, in Massachusetts in 1846. Ether was used on this occasion to render the patient unconscious and keep him from suffering pain. A new era in surgery was born.

**ADVENTURES WITH ANDY (NYZ)**

**p** 9 minutes **Color: \$3.20**  
 Andy, a baby orangutan at the Bronx Zoo in New York City, exhibits his personality while the roving camera follows him through several episodes.

**ADVENTURES IN RESEARCH (WE)**

**h-c-a** 19 minutes **B&W: \$2.00**  
 Explains and demonstrates the different kinds of vacuum tubes, including x-ray, "pinhole" detector, stroboscope, and electric eye.



**ADVENTURES OF A BABY FOX (EB)**

p-i-j 13 minutes B&W: \$4.15

An interesting story written in verse to tell the story of a baby fox and his experiences as he journeys through the woods. The plants and animals which the adventurous fox encounters are identified. This film is useful both in the language arts and science programs. Photographed by Arne Sucksdorff, noted Swedish photographer.

**ADVENTURES OF A CHIPMUNK FAMILY (EB)**

p-i 11 minutes Color: \$3.80

Tells the story of a chipmunk family and of young babies from early spring to the beginning of winter. The film shows the newborn chipmunk babies and their training period during the early summer. Through use of a special device, it is possible to observe the chipmunk digging his burrow, collecting his store of food, and settling down for the winter rest.

**ADVENTURES OF BUNNY RABBIT (EB)**

p 10 minutes B&W: \$2.15

The characteristics and habits of rabbits in their natural environments are presented in a dramatic, informative type of film.

**ADVENTURES OF HUCKLEBERRY FINN (TFC)**

i-j-h-c 40 minutes B&W: \$8.00

Mark Twain's famous characters come to life in a school abridged version of the feature-length dramatization. Mickey Rooney plays the part of the fun-loving Huck, who would rather fish than go to school. *Restricted to Classroom Use.*

**ADVENTURES OF JUNIOR RAINDROP (UW)**

i-j-h 8 minutes Color: \$2.25

An animated, live action film dealing with the need for intelligent watershed management. Raindrops, like other elements of nature, can be controlled for man's benefit. The applications and results of such control are contrasted with the results of poor watershed management.

**ADVENTURES OF TWO LITTLE GOATS (BACKGROUND FOR READING AND EXPRESSION) (C)**

p-i 10 minutes Color: \$3.40

Re-enacts the exciting and enjoyable adventures of two little goats, Nip and Tuck, as they explore the big world. In their travels they meet a butterfly, turtle, and sheep. By watching the antics of these two animals, the pupils are able to observe and learn much about goat life.

**ADVENTURES OF WILLIE SKUNK (YA)**

p-i 10 minutes B&W: \$2.15

Willie is one of a family of five baby skunks who go out with their mother to find food one day. They run into all sorts of adventures, including a curious cow that Willie frightens away by using his "squirt guns" on her. Two children, Bobby and Jane, find Willie far from home and by being very slow and careful they succeed in picking him up without frightening him and in taking him home.

**ADVENTURING IN CONSERVATION (IU)**

i-j 16 minutes Color: \$5.15

Stresses the need for care and consideration in the perpetuation of American resources. Features many boys and girls in actual camp and conservation activities, such as camping, hiking, boating, fishing, etc. The young people discover many wonders of nature, learn the skills of the woodsmen, and also learn that our natural resources are theirs to explore, to enjoy, and to care for.

**ADVENTURING IN THE ARTS (GSA)**

j-h-c-a 22 minutes Color: \$5.00

A Girl Scout Troop's visit to the country fair stimulates the girls to find new creative adventures in hand arts, music and pantomime.

**ADVENTURING PUPS (YA)**

p-i 8 minutes B&W: \$2.15

The story of three beagle puppies and their adventures on the farm and in the woods. Serves to stimulate observation by the pupil and introduces him to the characteristics and actions of dogs and several animals of the woods and farm.

**AERIAL PHOTOGRAPHY—PART I—INTRODUCTION, AERIAL CAMERA TYPES (CAA)**

h-c 9 minutes B&W: \$2.15

Shows the K3B, K7C, and K12 aerial cameras, and demonstrates how to prepare the aerial camera for a mission.

**AERODYNAMICS OF THE HUMAN BODY (CAA)**

h-c-a 10 minutes B&W: \$2.15

Numerous situations record the effects of winds of high velocities on the human body. Persons are exposed to wind tunnel experiments while in sitting, standing, prone, and crouched positions.

**AERONAUTICAL ODDITIES (CAA)**

i-j-h-c 20 minutes B&W: \$2.15

Consists of a series of selected newsreels which amusingly depict the efforts and products of some aircraft inventors.

**AEROPRODUCTS PROPELLER: LINE INSPECTION AND MAINTENANCE (CAA)**

h-c 16 minutes B&W: \$2.15

Explains what line inspection and maintenance involve. Shows step-by-step procedures for carrying out this activity. Includes such items as checking for and removal of nicks and scratches on blades, alignment of blades, examination of spinner nose shell, and replacement of blades.

**AEROPRODUCTS PROPELLER: REMOVAL, RE-INSTALLATION, GROUND RUN-UP AND FLIGHT TEST (CAA)**

c 16 minutes B&W: \$2.15

Shows step-by-step procedures for performing the above indicated operations on an Aeroproducts propeller.

**AEROPRODUCTS PROPELLER: THEORY AND OPERATION (CAA)**

h-c 18 minutes B&W: \$2.15

Utilizes cutaway demonstration models and animated drawings to explain how the Aeroproducts propeller works; shows the mechanism which alters the pitch to maintain constant RPM. Also shows how to ground check the propeller and tells the pilot how to use the prop's controls for most efficient operation.

**AFRICA, GIANT WITH A FUTURE (EDS)**

h-c-a 30 minutes Color: \$7.15

A report on sixteen countries southeast of the Sahara visited by Congresswoman Frances P. Bolton. Shows peoples, geography, governments, social and economic problems. Congresswoman Bolton interviews several heads of state.

**AFRICA, LAND OF CONTRAST (FTP)**

j-h-c-a 9 minutes B&W: \$2.15

Africa is truly a land of diverse peoples. The camera takes you on a voyage to the "Dark Continent" where you see modern cities in South Africa, beautiful scenes of Victoria Falls, and the mysterious land of the Berbers.

**AFRICAN BIG GAME (AFF)**

j-h-c-a 20 minutes B&W: \$4.15

Big game hunters and their native bearers hunt game, rare skins, and ivory in the Ubangi-Chari region of French Equatorial Africa. By day and night, caravans cut through the dangerous underbrush and rivers, encountering unusual experiences with wild life.

**AFRICAN COUSINS (CAF)**

general 13 minutes Color: \$4.85

Tells the story of two 12-year-old boys who live in a remote African village near the jungle and attend a mission school. Their activities in the school are shown. The similarities between the way of life of African and American children are emphasized.

**AFRICAN FAUNA (PHP)**

general 11 minutes Color: \$3.20

Photographed in Kenya Colony, Uganda, and the Belgian Congo. The following animals are filmed in their natural habitat: waterbuck, impalla, cheetah, crocodile, elephant, zebra, lion, giraffe, and hippopotamus. It dispels many of the preconceived ideas that people have concerning many of these animals.

**AFRICAN TRIBES (PHP)**

j-c-h-a 10 minutes Color: \$3.40

Unusual scenes in Kenya Colony and the Belgian Congo record the migration of tribes. Starting in the Congo and ending in the great Kaisut Desert, tribal culture is featured to make this film the first presentation of its kind. The pictures of the Rendilli with their "ships of the desert" are the first ever photographed.



**AGE OF DISCOVERY (McGH)**

i-j-h 16 minutes B&W: \$3.15  
A unique, all-animation film summarizing and assessing the factors that encouraged man to discover and explore the New World.

**AGE OF SPECIALIZATION (McGH)**

h-c-a 13 minutes B&W: \$2.90  
We see the technological changes in production, communication and transportation since 1900, which created economic changes requiring increased specializations of skills.

**AGE OF TURMOIL (ADOLESCENT DEVELOPMENT SERIES) (McGH)**

c-a 20 minutes B&W: \$4.25  
Illustrates the behavior that reflects the emotional turmoil of the early teenager, such as giggling, destructive criticism of school, unrealistic ideas of their own future, etc. The point is made that adolescent actions, seemingly odd and inexplicable, are normal, universal traits.

**AGELESS PARIS (FON)**

h-c-a 13 minutes Color: \$4.15  
The real, beloved Paris, with Parisians at work and play. Special features are: atop Notre Dame Cathedral; Montmartre; the Flea Market; Luxembourg Gardens; the Champs Elysees; the Arch of Triumph; Napoleon's tomb and the statue of the Venus de Milo.

**AGRICULTURAL ENGINEERING—THE PROFESSION WITH A FUTURE (USDA)**

h-c-a 14 minutes Color: N.C.  
Describes the work of engineers who seek practical solutions to the engineering problems of food and fiber production and processing. This film is designed to interest high school students in a career in agricultural engineering and points out the basic courses that should be taken before entering college. Includes scenes of pineapple and sugar cane harvesting in Hawaii, the new Teflon plow, and interior views of a cotton spindle picker and an ensilage harvester in operation.

**AGRICULTURE (M)**

j-h-c-a 11 minutes B&W: \$2.25  
Explains diversified farming by showing the various tasks involved. The advantages and disadvantages of farming, and the training required of the farmer are mentioned. The need for trained agriculturists in farm agencies is also considered.

**AGRICULTURE STORY, THE (USDA)**

h-c-a 13 minutes Color: \$2.15  
Shows the forces of nature, the gifts of science and research, and the labor of American farmers and their machines operating in every crop-producing region of the United States.

**AIDA AND DON JUAN (UW)**

j-h-c-a 9 minutes B&W: \$2.15  
The Berlin Opera Company presents selections from Verdi's two famous operas, including the scene with Rhadames and Aida inside the air-tight vault, and the balcony scene with Don Juan singing "Come With Me." Introductory remarks by Robert Lawrence.

**AIR (GA)**

p 11 minutes B&W: \$2.15  
A boy's kite, a farmer's windmill, and the air brakes on a train illustrate the uses of air. The importance of the properties of air to animal and plant life and to industry and commerce are shown. Air pressure is explained by demonstrations which the very young child can perform.

**AIR AGE, THE (McGH)**

j-h-c-a 27 minutes B&W: \$5.15  
Shows the development of aircraft from the flight of the Wright Brothers to the present. Veteran fliers Martin, Rickenbacker, and Sikorsky present their stories. Shows Lindbergh making his famous flight over the Atlantic, and the Hindenberg disaster which ended the era of the Zeppelin. Pictures modern planes breaking the sound barrier and the flyers going through a series of tests preparatory to these flights.

**AIR ALL ABOUT US (C)**

i-j-h 11 minutes B&W: \$2.25, Color: \$3.40  
Introduces pupils to the concepts of the physics of air and its use to man.

**AIR ALL AROUND US (YA)**

i-j 10 minutes B&W: \$2.15  
This film presents and explains a number of classroom demonstrations which illustrate concepts concerning air pressure, contraction and expansion of air, and compressed air.

**AIR AROUND US (EB)**

i 11 minutes B&W: \$2.15  
Shows that air is real and that it has volume and weight. Chemical composition of air is explained by means of animation. Explains uses made of air in auto tires, parachutes, siphons, windmills, etc.

**AIR DEFENSE (CAA)**

j-h-c 27 minutes B&W: \$2.15  
Shows the vital role played by volunteers of the Ground Observer Corps who work together with the U. S. Air Force Air Defense Command to defend our nation against sudden destruction from the air.

**AIR FLOW (AERODYNAMICS SERIES) (UW)**

h-c-a 18 minutes B&W: \$2.15  
Explains turbulence and skin friction through the use of smoke flowing over solids of different shapes and forms. Also with smoke, demonstrates the angle of attack, point of stall, drag and lift.

**AIR IN ACTION (C)**

j-h 10 minutes B&W: \$2.15  
Demonstrates the science of aerodynamics by explaining simple parlor tricks in terms of scientific knowledge and applying that knowledge to everyday living. Air resistance is analyzed, and applications to common experiences are explained.

**AIR IN MOTION (JR. SCIENCE SERIES) (McGH)**

j 10 minutes B&W: \$2.60  
Shows experiments illustrating Bernoulli's principle. What happens when you blow between two hanging apples, a balloon that remains in an air stream from an electric fan, how a baseball pitcher throws a curve ball, and a card that you can't blow over all explain how an airplane flies and demonstrates the fact that moving air has less pressure than still air.

**AIR MASSES AND FRONTS (AEROLOGY) (CAA)**

j-h-c 26 minutes Color: \$2.15  
Describes the troposphere, the formation of clouds, warm and cold fronts and cyclones, and explains the conditions responsible for different kinds of weather.

**AIR OPERATIONS (CAA)**

j-h 21 minutes B&W: \$2.15  
A shortened version of TARGET FOR TONIGHT. Relates the story of an actual air raid by the Bomber command of the RAF. Shows some phases preliminary to the bombing mission and then pictures the experiences of the bomber crew in carrying out their mission.

**AIR POWER IS PEACE POWER (CAA)**

j-h-c 27 minutes B&W: \$2.15  
Shows some of the operations of scheduled air carriers. Demonstrates the flight characteristics of the Constellation as well as an indication of some of the extensive and intensive testing through which this new type of transport was put during its development. Woven into this story is the part Captain Eddie Rickenbacker played in the dramatic development of aviation.

**AIR PRESSURE (JR. SCIENCE SERIES) (McGH)**

j 11 minutes B&W: \$2.15  
Presents facts about the pressure of the air that is all around us. Fascinating experiments are demonstrated: a card that keeps water in a glass when the glass is turned upside down; home-made Guericke's hemispheres; a can that collapses because of air pressure and how to boil coffee with ice.

**AIR PROGRESS (USAF)**

j-h-c-a 15 minutes B&W: \$2.75  
A film record of the Air Progress Demonstration. Static exhibits show progress made from the earliest to the most modern airplanes. The Thunderbolt, Mustang, Flying Fortress, Superfortress, Shooting Star, Flying Wing, and the B-36 are among the airplanes shown in flight.



**AIR TRAFFIC CONTROL (CAA)**

h-c 17 minutes B&W: \$2.15  
Explains briefly how teloran works and shows by means of animation how its proponents intend to use it in controlling air traffic of the future.

**AIR TRANSPORTATION (VGF)**

h-c-a 11 minutes B&W: \$2.15  
Presents the major fields of occupation in the air transportation industry, from the highly trained flight and mechanical personnel to the clerical jobs which take only a little instruction to be qualified.

**AIRBORNE MAGNETOMETER, THE (CAA)**

h-c-a 30 minutes B&W: \$2.15  
Explains briefly and in non-technical language how the earth's magnetic field is utilized in prospecting. Describes the airborne equipment developed to detect changes in the earth's magnetic field and shows step-by-step how this equipment is used and how its data is compiled and interpreted.

**AIRCRAFT ALIGHTING GEAR—INSPECTION OF ALIGHTING GEAR (CAA)**

c 10 minutes B&W: \$2.15  
Inspection routine applicable to any type tricycle landing gear.

**AIRCRAFT ALIGHTING GEAR—MAINTENANCE OF ALIGHTING GEAR (CAA)**

c 12 minutes B&W: \$2.15  
Demonstrates checking and filling hydraulic systems on the tricycle landing gear.

**AIRCRAFT ALIGHTING GEAR—NOSE ALIGHTING GEAR (CAA)**

c 11 minutes B&W: \$2.15  
Shows removal of the nose section of the tricycle landing gear of the P-38 Airplane.

**AIRCRAFT AND HOW THEY FLY (CAA)**

i-j 11 minutes B&W: \$2.15  
Explains and illustrates classes of aircraft such as lighter-than-air craft, amphibians, autogiros, and helicopters and how they fly.

**AIRCRAFT ENGINE AND NAVIGATION INSTRUMENTS: 50 HOUR INSPECTION (CAA)**

c 20 minutes B&W: \$2.15  
Demonstrates the procedures for the 50-hour inspection of the airplane instruments in a B-17. The procedures demonstrated are applicable to many other types of aircraft.

**AIRCRAFT ENGINES: CARBURETION (CAA)**

h-c 37 minutes B&W: \$2.15  
Presents a detailed pictorial discussion of the functions, parts and variations of aircraft engine carburetors. It begins with a discussion of air and gas mixtures used in internal combustion engine, variations in ratio of gas and air desirable for idling, acceleration, and for maximum power, and special problems created by dives and operation at high altitudes. Animated diagrams and pictures show a simplified carburetor and then add various devices developed to permit control of the mixture under varying conditions.

**AIRCRAFT ENGINES—ELEMENTS OF ELECTRICITY AS APPLIED TO IGNITION SYSTEMS (CAA)**

h-c 28 minutes B&W: \$2.15  
Portrays elementary phenomena in electricity and magnetism and the application of these principles to engine ignition systems.

**AIRCRAFT INSTRUMENTS: TACHOMETER REPAIR (CAA)**

h-c 30 minutes B&W: \$2.15  
Shows how to disassemble and assemble the chronometric type C-7 tachometer and explains the function of its important parts.

**AIRCRAFT WELDING (CAA)**

h-c 18 minutes B&W: \$2.15  
Demonstrates the proper method of setting up welding apparatus, lighting the torch, different types of flames, and the effect of each on steel. The correct method of making ripples and beads is shown as well as how to turn off, to care for, and to put away the welding apparatus.

**AIRLIFT—THE COLD DECADE (AIR POWER SERIES) (CBS)**

h-c-a 28 minutes B&W: \$5.65  
This is the story of the Berlin airlift in 1948-1949, the story of a new use for allied airpower—an unexpected use of military planes upon whose success depended the political future of two and a quarter million people.

**AIRLINE TO EVERYWHERE (McGH)**

j-h-c-a 17 minutes B&W: \$3.75  
Shows how the Air Transport Command built a global network on a foundation of home bases with transfer points, maintenance centers, and supply depots.

**AIRLINES TO ANYWHERE (McGH)**

j-h-c-a 18 minutes B&W: \$3.85  
The story behind a typical flight from Los Angeles to New York with a report on reservations, flight personnel, maintenance and other activities which are carried on for the comfort and safety of the passengers.

**AIRPLANE HYDRAULIC BRAKES—BRAKE ADJUSTMENT—HAYES AND GOODYEAR BRAKES (CAA)**

h-c 17 minutes B&W: \$2.15  
Shows the proper steps to adjust and test the Hayes and the Goodyear brakes.

**AIRPLANE HYDRAULIC BRAKES: PRINCIPLES OF OPERATION (CAA)**

h-c-a 20 minutes B&W: \$2.15  
Explains the need for brakes on modern airplanes and the basic principles of the brake itself. Shows the differences between the integral or power-operated brakes used on large planes and the manually-operated brakes used on small planes.

**AIRPLANE HYDRAULIC BRAKES: TYPES, CONSTRUCTION AND ACTION (CAA)**

h-c 28 minutes B&W: \$2.15  
Describes the parts of the Bendix single servo and duo servo brakes, the Hayes single shoe, single servo and duo servo brakes, the Hayes single expander tube brakes, the Hayes double expander tube brakes and the Goodyear disc type brakes, and explains the principles of operation of each type.

**AIRPLANE HYDRAULIC SYSTEMS—PART I—BC-1 AIRPLANE (CAA)**

h-c 13 minutes B&W: \$2.15  
Illustrates hydraulic systems as applied to the retractable landing gear, to the brakes, to the variable pitch propeller. The pumps, reservoirs special valves, and the operating levers are also diagrammed and explained. Specific application of these principles to the BC-1 plane is shown.

**AIRPLANE MECHANIC, THE (CAA)**

j-h-c 9 minutes B&W: \$2.15  
Planned as an orientation film for beginning airplane mechanics; shows and explains the skills and knowledge required to make satisfactory inspections and repairs; emphasizes the importance of thoroughness, skill, and dependability.

**AIRPLANE PROPELLERS—HAMILTON CONSTANT SPEED, REMOVAL AND DISASSEMBLY (CAA)**

c 22 minutes B&W: \$2.15  
Shows in detail how to remove the Hamilton constant-speed propeller from the plane and disassemble it for inspection and repair.

**AIRPLANE PROPELLERS—HAMILTON CONSTANT PROPELLER INSTALLATION (CAA)**

h-c 13 minutes B&W: \$2.15  
Demonstrates the proper method of preparing the propeller shaft and mounting the propeller.

**AIRPLANE PROPELLERS—HAMILTON HYDROMATIC, REASSEMBLY AND ADJUSTMENT—PARTS I AND II (CAA)**

c 44 minutes B&W: \$2.15  
Demonstrates step-by-step procedure in assembling the propeller components. Emphasizes use of proper tools, guide marks and tolerances permissible.



**AIRPLANE PROPELLERS—HAMILTON HYDROMATIC, SERVICING (CAA)**

c 8 minutes B&W: \$2.15  
Demonstrates the step-by-step procedure in dismantling, cleaning, and inspecting the hydromatic propeller.

**AIRPLANE PROPELLERS: HAMILTON HYDROMATIC, THEORY AND OPERATION (CAA)**

h-c 20 minutes B&W: \$2.15  
Outlines the crew chief's and pilot's operations in warming up, checking, taking off, climbing, cruising, emergency and practice feathering, unfeathering, landing, and stopping the Hamilton Hydromatic Propeller. Models, diagrams, and actual views are combined to show the construction and mechanism of a variable pitch propeller.

**AIRPLANE PROPELLERS: PRINCIPLES AND TYPES (CAA)**

h-c 17 minutes B&W: \$2.15  
Explains reasons for varying sizes and number of blades on different aircraft, why a propeller is twisted, and why its angle is changed. Functions of fixed pitch, two position, Hamilton Constant Speed, Hamilton Hydromatic, Curtiss Electric and Aeroproducts propellers are shown.

**AIRPLANE RADIO ANTENNAS (UW)**

j-h-c 11 minutes B&W: \$2.15  
Presents an over-all view of the generation and the behavior of radio waves. Animated diagrams, combined with real photography, are used to show static fields, magnetic lines of force, high-frequency generators, the behavior of radio waves in space, and the reflection of radio waves. There follows a discussion of skip distance, ground waves and the fading and the distortions that result from a conflict between waves.

**AIRPLANE STRUCTURES—ALIGNING GEAR (UW)**

h-c 9 minutes B&W: \$2.15  
Defines aligning gear and shows loads exerted. Explains its principles of operation, its component parts and the devices that warn pilots of the aligning gear's position.

**AIRPLANE STRUCTURES—CONTROL SURFACES (CAA)**

h-c 7 minutes B&W: \$2.15  
Ailerons, rudders, tail flaps, wing flaps, vertical fins, elevators, and horizontal fins are defined, located, and their functions explained. The coverings of these surfaces with fabrics are shown. Various kinds of trim tabs, both the fixed and adjustable, are shown and their functions discussed.

**AIRPLANE STRUCTURES—FUSELAGE CONSTRUCTION (UW)**

h-c 8 minutes B&W: \$2.15  
Indicates the various sections of the aircraft fuselage, and shows loads exerted upon component parts. Explains the principle of truss construction and attachment of wing, and the use of bulkheads and longitudinal stringers.

**AIRPLANE STRUCTURES—MANUFACTURING METHODS (CAA)**

h-c 25 minutes B&W: \$2.15  
Presents overview of complete steps in manufacture of an airplane, including wings, fuselage, engine, and tail.

**AIRPLANE STRUCTURES—STATIC TESTING (CAA)**

h-c 12 minutes B&W: \$2.15  
Presents over-all view of the forms, kinds and purposes of static testing. It opens with view of fuselage mounted in jig and shows procedures and methods used to form the elastic axes of wings, torsional stiffness tests, and negative acceleration test. Points out usefulness of information gained in test and how it relates to power-diving capabilities of the finished plane. Testing of control surfaces through utilization of models and wind tunnels is shown. Film concludes with views of dynamic tests given to landing gear to indicate its ruggedness.

**AIRPLANE STRUCTURES—STRUCTURAL UNITS, MATERIALS AND LOADS FOR WHICH DESIGNED (CAA)**

h-c 6 minutes B&W: \$2.15  
Various units of a plane and the various types of loads and stresses each must be designed to handle are explained. Diagrams show types of stresses that are involved in various angles of flight.

**AIRPLANE STRUCTURES—WING CONSTRUCTION (UW)**

h-c 9 minutes B&W: \$2.15  
Construction and functions of wings are shown. Forces of thrust and drag and utilization of interior bracing and skin bracing to withstand them are shown and defined.

**AIRPLANE TRIP, AN (EB)**

p-i 11 minutes B&W: \$2.15, Color: \$3.40  
In a modern airliner a mother and her young daughter journey, with other passengers, from Los Angeles to Salt Lake City. On arriving at the airport, a hangar is inspected and servicing operations on different parts of a plane are observed. After the plane is loaded with mail and express, the passengers embark.

**AIRPLANE TRIP TO MEXICO (EB)**

i-j 12 minutes Color: \$3.40  
Tells a story of two American youngsters who visit friends in Baja California, Mexico. Follows their adventures as they go sightseeing, visit the plaza of a Mexican town, see the school, swim in the ocean, discover an old pirate cove, and go horse-back riding with their host. Airport scenes point up the arrival and departure by plane. Can be used for beginning Spanish language classes when used in conjunction with the Spanish version entitled *Un Viaje a Mejico*.

**AIRPLANES AND HOW THEY FLY (YA)**

i-j 11 minutes B&W: \$2.15  
Using photography and animation, this film serves two purposes. It surveys the major types of modern aircraft—propeller-driven, jet-powered, military and commercial, large and small. Secondly it provides an elementary explanation of how an airplane is pulled through the air, how airflow lifts the plane into the air, and how the flight of the plane is controlled by rudder, elevator, and aileron.

**AIRPLANES: HOW THEY FLY (EB)**

i-j 11 minutes B&W: \$2.35  
Exciting sequences of a light airplane in flight and views of a large model aircraft being constructed are used to demonstrate basic concepts of flight. The film takes its audience up for a ride in an airplane and shows how the pilot controls the airplane's flight. Animated drawings show how the passage of air past the wing creates the difference in pressure which lifts the airplane into the air.

**AIRPLANES: PRINCIPLES OF FLIGHT (C)**

i-j 11 minutes B&W: \$2.35  
Animation and actual in-flight photography demonstrate the aerodynamic principles of flight. Viewers will see that the principles which govern movement of a fixed wing through air also apply to the rotary wing of helicopters and aircraft propellers. The four forces which control flight—lift, thrust, gravity, and drag—are explained in terms of their relationship to the control of all aircraft that fly through the earth's atmosphere.

**AIRPLANES—THEIR METALS, FUELS AND LUBRICANTS (CAA)**

j-h-c 33 minutes B&W: \$2.15  
Tells the story of how a group of boys interested in building model airplanes learned about the metals used in constructing airplanes, the progressive operations of building an all-cargo plane, the theory of flight and laws of aerodynamics, and the importance of lubricants in the maintenance and operation of aircraft. Film ends with a competitive meet of model plane builders and the presentation of awards to the winners.

**AIRPLANES WORK FOR US (CW)**

p-i 10 minutes B&W: \$2.35  
The film is an introduction to many different types of service performed by airplanes. It includes passenger transportation, air mail, freight, private flying, fire patrols, weather-radar research, crop-dusting and various uses of the helicopters.

**AIRPORT (EB)**

p-i 11 minutes B&W: \$2.15  
This film provides a comprehensive over-view of the many activities carried on at a large municipal airport. The film will be especially useful in helping children understand what goes on behind the scenes on the ground so that flying in the air will be safe, fast, and comfortable.



**AIRSCREW (CAA)**

h-e 20 minutes B&W: \$2.15  
Explains manufacture of airplane propellers. Shows various tests for proving strength of the metal; shaping in machine shop; treating blades, installation on plane. The principle of the propeller is explained by animated diagrams.

**AIRWAYS OF THE FUTURE (McGH)**

j-h-e 12 minutes B&W: \$2.15  
Important in this film are impressive shots showing some of the remote regions traversed by the huge planes of the ATC. The climax of the film shows how the airways of war can become the airways of the future, bringing close remote corners of the world.

**ALADDIN AND THE WONDERFUL LAMP (UW)**

p-i 7 minutes Color: \$2.55  
The story of the slave who has to clean lamps. When he rubs a magic lamp, a Genie appears and grants him a wish. Aladdin wins a beautiful princess and they live happily ever after.

**ALASKA (EB)**

i-j-h 18 minutes B&W: \$3.65  
Since its purchase by the United States, Alaska has progressed agriculturally and industrially. This twentieth century frontier country has a rich historical background pointing back to the work of the pioneer people who explored and settled the land. Today, Alaska has new communities and industries which make it an important link with the United States.

**ALASKA—A MODERN FRONTIER (C)**

i-j-h 10 minutes B&W: \$2.15, Color: \$3.40  
Through the wilderness we travel to see a first hand view of Alaska. There is the thriving, modern community of Fairbanks. On a trip with the "flyingest people in the world" we visit gold miners, salmon fishermen, pioneer farmers of the Matanuska Valley, Eskimos on the coast of the Bering Sea—to see why Alaska is really a modern frontier.

**ALASKA AND ITS NATURAL RESOURCES (USBM)**

j-h-c-a 28 minutes Color: \$2.15  
The audience learns of Alaska's history and traditions, and of the young State's rich potential in minerals, fuels, fisheries, agriculture, timber, water, and other natural resources. Scenes typifying the early Gold Rush Days along the Yukon dissolve into views of present-day gold, silver, platinum, mercury, and coal operations. Agriculture is depicted in scenes of the lush Matanuska Valley, where the rich soil and long summer days combine to help crops develop in record time despite the shortness of the growing season.

**ALASKA, OUR 49TH STATE (PAA)**

general 23 minutes Color: \$6.50  
From Seattle to Alaska over the snowcapped Rockies by plane. Gives an idea of the glaciers, salmon canneries, shrimp industries, and wild life. We also see scenes of Mt. McKinley National Park.

**ALASKA: THE 49TH STATE (EB)**

j-h-e-a 16 minutes B&W: \$3.45  
Points out the growth of industry in Alaska—gold mining, fishing, canneries, and forestry. Shows mountain climbing on some of North America's highest peaks; scenes of the Arctic Circle, the National Parks, and Glacier Bay.

**ALASKA TOUR (TFC)**

j-h-c-a 10 minutes B&W: \$2.15  
This is typical travelogue of Alaska. It shows many interesting parts of Alaska, including the salmon packing industry. *Restricted to Classroom Use.*

**ALASKA: U.S.A. (BFS)**

i-j-h 22 minutes Color: \$6.65  
Gives a survey of Alaska showing its size, location, industries, people, natural resources, climate, cities, and topography. Provides a brief summary of the history of Alaska, and stresses the importance of air travel. Concludes with the showing of the "DEW Linc."

**ALASKA'S MODERN AGRICULTURE (BFS)**

j-h-e-a 16 minutes Color: \$5.00  
Tells the history and development of farming in Alaska. Shows how World War II and statehood brought a boon which stimulated a population increase and intensified the need for modern farm methods. Surveys living conditions in general.

**ALASKA'S SILVER MILLIONS (AC)**

i-j-h 30 minutes B&W: \$2.15  
An excellent industrial film prepared for classroom use from the fifth to the tenth grade. It shows some splendid scenes of the salmon run. Details of the canning of salmon are clearly shown.

**ALCHEMIST IN HOLLYWOOD (SPS)**

h-c-a 33 minutes B&W: \$3.35  
Chemistry and photography are part of the story of motion pictures. Hollywood is looked at from the chemistry viewpoint to suggest how chemistry benefited quality and technique in photography.

**ALCOHOL AND THE HUMAN BODY (EB)**

j-h-e-a 15 minutes B&W: \$3.15  
Explains the specific effects of alcohol on the human body; describes the characteristics of alcohol and how it is made; and traces the course of alcohol through the body until it either oxidizes or escapes. Shows the effects of alcohol on important brain centers, and dramatizes the case of a problem drinker, including his treatment.

**ALCOHOL AND TOBACCO: WHAT THEY DO TO OUR BODIES (C)**

j-h 10 minutes B&W: \$2.25  
Warns against the use of alcohol and tobacco, and shows through a series of physical tests the effects of these substances on the normal performances of an athlete, a juggler, and a person doing detailed work. Suggests that alcohol and tobacco are unlabeled poisons and shows their effects on the body by means of medical tests of heart beat, constriction of blood vessels, and skin temperature before and after taking alcohol and nicotine into the body.

**ALCOHOL IS DYNAMITE (SD)**

j-h-e-a 9 minutes B&W: \$2.15  
Typical case histories have been selected. These include several boys and girls who became victims of drink at an early age. The stories are told as they occurred—without embellishment, without preaching. But the lesson is graphically evident—any boy or girl can become a victim of alcohol simply, easily, and quickly, merely by "playing around" with it.

**ALCOHOLISM (EB)**

j-h-a 22 minutes B&W: \$4.15  
Presents some causes of excessive drinking, tracing the development of the disorder in the case history of Ed Grimer. Shows how the roots of alcoholism are imbedded in personality difficulties, and describes various forms of treatment. Demonstrates the role of the public clinic, and emphasizes the need for increased treatment facilities and greater public knowledge of this widespread problem.

**ALEXANDER CALDER: SCULPTURE AND CONSTRUCTIONS (MMA)**

j-h-e-a 10 minutes Color: \$2.90  
The artist is shown at work creating his mobiles of wire, etc., in his well-equipped workshop. Biographical information is presented by the narrator. Examples of the artist's work are then shown and related to the basic themes of modern art.

**ALEXANDER HAMILTON (EB)**

j-h 18 minutes B&W: \$4.15  
Re-enacts episodes in the life of a leading figure in the formation of the American nation. Reveals Hamilton first as a boy-businessman; shows his part in the American Revolution; tells his role in the adoption of the Constitution; portrays his career as the first Secretary of the Treasury; and re-enacts events which led to his death at the hands of Aaron Burr.

**ALEXANDER LEARNS GOOD HEALTH (C)**

p 10 minutes Color: \$3.40  
Because of over-eating and inadequate rest the night before the big ball game, Alexander cannot pitch the next day. In animation the film shows how Alexander learns the important lessons of acquiring a balance of rest, diet, and exercise—and goes on to pitch a winning game.

**ALFALFA, QUEEN OF THE FORAGES (API)**

j-h-e-a 10 minutes Color: N.C.  
An excerpt from the film "Growing Alfalfa Successfully" which shows the origin of alfalfa and its introduction into America. The film tells that alfalfa is called "queen of the forages" because of its high yield, soil building qualities, versatility, palatability, and high nutritional value.



**ALGEBRA IN EVERYDAY LIFE (C)**

j-h 10 minutes B&W: \$2.15  
There is nothing mysterious about algebra. It is only a language of numbers. Students will realize this as they see a problem solved with the use of algebra. With emphasis on these three basic algebraic steps: 1) observation, 2) translation, and 3) manipulation and computation, this film shows how algebra is used in everyday life as well as in specialized fields.

**ALI AND HIS BABY CAMEL (AP)**

p 11 minutes B&W: \$2.35  
Depicts the relationship between a boy and his pet camel, and shows the kind of work performed by the camel in the desert.

**ALI BABA AND THE FORTY THIEVES (UW)**

p-i 9 minutes Color: \$3.25  
The colorful and exciting story of the cruel Mongol conquest of Baghdad and the resistance of Ali Baba and his followers. Includes the famous episode of the 49 jars of oil, ending with the wild onslaught of Ali Baba's swordsmen that crushes the Mongols.

**ALIAS ST. NICK (OF)**

p-i 7 minutes B&W: \$2.15  
One little mouse does not believe in Santa Claus and he is the first to discover that he is the bad old cat in disguise.

**ALICE ADAMS (DANCE) (TFC)**

j-h-c-a 15 minutes B&W: \$3.15  
A young girl finds herself at a disadvantage in a community in which her friends are richer than herself. Her sensitiveness to appearances leads her into exaggeration and fantasy. Her mother blames the girl's father for not making enough money to give his daughter the social status she craves. At a dance the girl is snubbed and humiliated. *Restricted to Classroom Use.*

**ALICE ADAMS (MONEY SEQUENCE) (TFC)**

j-h-c-a 15 minutes B&W: \$3.15  
Family problems grow out of a father's lack of financial success. His daughter's sensitiveness to appearance leads her into exaggeration and fantasy in her relationship with a young man. The mother blames her husband for the fact that his daughter is handicapped socially. *Restricted to Classroom Use.*

**ALICE IN WONDERLAND (TFC)**

i-j-h 37 minutes B&W: \$6.15  
A complete Hollywood cast interprets Lewis Carroll's famous story. A shortened school version of the full-length feature, this film presents the main and most important scenes. *Restricted to Classroom Use.*

**ALIMENTARY TRACT (EB)**

j-h-c 11 minutes B&W: \$2.15  
Portrays the actions of esophagus, stomach, small intestine, and colon to move food and waste materials through the body. Shows normal and stimulated stomach movements such as hypermotility, inhibition, and hunger contractions; and portrays such intestinal phenomena as segmentation, peristalsis, and antiperistalsis. Demonstrates in cinemicrography actual absorbing movements of intestinal villi.

**ALIVE FROM THE DEEP (SF)**

general 15 minutes Color: \$3.65  
Tells the story of Marine Studios in Florida and how creatures from the sea are captured and cared for. Portrays through underwater photography many of the fish and other animals on display there.

**ALL AMERICAN MICKEY (BRF)**

general 5 minutes B&W: \$1.15  
There's football in the air, and it's Mickey's team against the Alley Cats. Everything goes wrong. A goat enters the scene and mixes up the show. Mickey goes the wrong way, but the situation clears surprisingly after Mickey's drive for the goal has been stopped.

**ALL FLESH IS GRASS (ANCA)**

h-c-a 26 minutes Color: \$7.90  
Pictures taken on cattle ranches in the West illustrate the processes involved in the production of a meat animal from the time the calf is born until it reaches the consumer's table.

**ALL GOD'S CHILDREN (CH)**

j-h-c-a 28 minutes B&W: \$3.75  
A dramatic story about a Korean War veteran that points out the need for more good teachers and a more alert public in order to strengthen American schools.

**ALL I NEED IS A CONFERENCE (STR)**

c-a 30 minutes B&W: \$6.45  
Staff or small-scale conferences, showing their problems and purposes, are depicted with special attention on the leader and the value he achieves knowing the strengths and weaknesses of the participants. The benefits of applied teamwork and the use of a conference as a good way of getting things done are particularly stressed.

**ALLEN IS MY BROTHER (CW)**

p 11 minutes B&W: \$2.35  
A film on family relations. Karen, aged seven, doesn't want to take care of her small brother, Allen, even after Mother asks her to help. When Karen ignores Allen, he gets into mischief and she realizes that she has not done her job. Gradually they begin to play together; and she finds that helping can be fun. Karen discovers that the nicer she is to her brother the nicer he is to her.

**ALLERGIES (EB)**

j-h-a 15 minutes B&W: \$2.15, Color: \$3.40  
Presents basic facts necessary for a fundamental understanding of the nature of allergies. Describes an allergy as a pronounced sensitiveness of a given part of the body to a particular substance such as certain pollens, dusts, foods, etc. Points out types of research now being carried on in the field and explains tests for detecting allergies.

**ALONG CAME A DUCK (OF)**

p-i 9 minutes B&W: \$1.70  
A blond-haired boy and a runaway duck lead to the pond of Freddy Frog. Freddy tells the boy an animated tale about his adventure with the duck, how he tickled her while swimming and how he saved her from drowning.

**ALONG THE LIFELINE OF THE BRITISH EMPIRE (NA)**

j-h-c-a 11 minutes B&W: \$2.15  
Our voyage commences in India; objective is to reach England by using the major water routes. The ship travels through the Suez Canal to the Mediterranean, then makes the final passage through the Strait of Gibraltar which is the final link to England by this route.

**ALPHABET ANTICS (UW)**

p-i 9 minutes B&W: \$1.65  
A poem with stanzas about every letter of the alphabet is illustrated on the screen.

**ALPHABET: MILESTONES IN WRITING (USC)**

h-c-a 10 minutes Color: \$3.40  
Our alphabet had its early beginnings some 3000 years ago among the Phoenicians, who traded along the east coast of the Mediterranean Sea. From there, the Greeks picked it up and passed it on to the Romans, when it became better established. Using the chalk board and a poster, Dr. Baxter traces the letters A, B, C, and D, from early Semitic meanings to the present Roman letters. The development of other letters are also traced.

**AM I TRUSTWORTHY (C)**

i 10 minutes B&W: \$2.15  
Returning borrowed articles, keeping promises, doing a good job with assigned tasks are all presented as examples of trustworthiness in this film. Students see and learn that by practicing trustworthiness in the little things of everyday life, people will trust them when important issues are raised.

**AMAZON AWAKENS, THE (IIAA)**

i-j-h-c 33 minutes Color: \$6.40  
The story of the Amazon River Basin—its history, industrial progress, richness in natural resources, and the possibilities for its future. Many of the sequences are animated.

**AMAZON, THE (PEOPLE AND RESOURCES OF NORTHERN BRAZIL) (EB)**

i-j-h-a 22 minutes Color: \$6.65  
Life and activities of the primitive peoples who live in the upper regions of the Amazon River. Scenes of natural surroundings as well as native life.



**AMBULANCE DOCTOR (McGH)**

j-h-c-a 17 minutes B&amp;W: \$3.75

Filmed at the Roosevelt Hospital in New York City, this medical story explores the experiences of a doctor as he rides the ambulance through city streets in answer to emergency calls of all kinds. Quick work of the doctor is demonstrated as he administers medical aid at the scene of an accident or disaster.

**AMERICA BOWLS (NBCO)**

j-h-c-a 23 minutes B&amp;W: \$4.15

Outstanding American bowlers demonstrate their technique and give step-by-step instructions. Features Ned Day, Buddy Bomar, Marion Ladewig, Andy Varipapa, Joe Norris, and Connie Schwoegler.

**AMERICA FIRST IN THE AIR (CWC)**

h-c-a 22 minutes B&amp;W: \$2.15

Depicts the production of propellers used for America's warplanes during World War II, including such features as the manufacture of the hubs, the power unit for automatic variable-pitch props, the types of propellers (solid dural and hollow steel), the process of assembly, and the use of props on America's finest planes.

**AMERICA THE BEAUTIFUL (TFC)**

general 20 minutes Color: \$6.00

This is an inspiring film, showing the true greatness and striking beauty of our United States. The color camera takes the viewer to the great scenic areas of the nation, to the fields of great agricultural and mineral wealth, to show that within our country lies even further opportunity for development. Our land has taken our people far, but there are greater goals to reach, greater tasks to be accomplished, and a greater future in sight. *Restricted to Classroom Use.*

**AMERICAN COP (McGH)**

general 18 minutes B&amp;W: \$2.85

Statistics show that there has been a marked increase in crimes of violence since the war's end. The burden of putting down this crime wave falls largely on the shoulders of the man who comes to close grips with crime—the cop. The specific case depicted in the film is both exciting and authentic.

**AMERICAN COWBOY (FMC)**

j-h-c-a 33 minutes Color: \$7.00

Shows the American cowboy as he really is. Filmed in the heart of the Rocky Mountain empire, and paced by realistic sound effects, this lively documentary takes you to Gunnison, Colorado—to the old homestead of the Roberson Hereford Ranch. Here you will see the bunkhouse, the drive to summer pastures high in the Rockies, the rodeo, and winter feeding in raging blizzards.

**AMERICAN FILM FORUM NO. 10: IS IT TREASON? (AFF)**

h-c-a 11 minutes B&amp;W: \$2.35

One of a series of discussion films moderated by Marquis Childs. This film takes up the problem of judicial decisions as to what should constitute subversive activities.

**AMERICAN FILM FORUM NO. 11: DO SECURITY REGULATIONS HAMPER SCIENCE? (AFF)**

h-c-a 10 minutes B&amp;W: \$2.35

A discussion film moderated by Marquis Childs. The forum considers the problem of how science is sometimes prevented from progressing because of security regulations.

**AMERICAN FILM FORUM NO. 12: WHAT'S THE ANSWER TO SLUMS? (AFF)**

h-c-a 10 minutes B&amp;W: \$2.35

Using moderator Marquis Childs as the mediator, this film poses the problem of slums in the big city. Information released by the panel attempts to find some of the answers to slum clearance.

**AMERICAN FILM FORUM NO. 13: SHOULD RED CHINA BE ADMITTED TO THE UNITED NATIONS? (AFF)**

h-c-a 10 minutes B&amp;W: \$2.35

Since the Red Communists took over China, they have attempted to win recognition in the UN. This film, moderated by Marquis Childs, looks at some of the pros and cons of the question.

**AMERICAN FILM FORUM NO. 14: THE SEGREGATION QUESTION (AFF)**

h-c-a 8 minutes B&amp;W: \$2.35

One of a series of discussion films moderated by Marquis Childs. Takes up the problem of segregation especially against the background of the Supreme Court decision outlawing school segregation.

**AMERICAN FILM FORUM NO. 15: ARE WE DRIFTING INTO WORLD WAR III? (AFF)**

h-c-a 11 minutes B&amp;W: \$2.35

Since the advent of the "cold war," many people contend we are drifting into an eventual war. This forum discusses some of these beliefs and reasons why, or why not, we are heading in that direction.

**AMERICAN FILM FORUM NO. 16: WHAT ABOUT THE FIFTH AMENDMENT? (AFF)**

h-c-a 11 minutes B&amp;W: \$2.35

One of a series of discussion films moderated by former Senator Guy Gillette (D-Iowa) and Irving Ferman, American Civil Liberties Union.

**AMERICAN FILM FORUM NO. 17: MORE OR LESS FEDERAL AID TO EDUCATION? (AFF)**

h-c-a 11 minutes B&amp;W: \$2.35

One of a series of discussion films moderated by Dr. Ivan Booker, National Education Assn. and Dr. John R. Miles, U.S. Chamber of Commerce.

**AMERICAN FILM FORUM NO. 18: SHOULD WE HAVE UNIVERSAL MILITARY TRAINING? (AFF)**

h-c-a 10 minutes B&amp;W: \$2.35

One of a series of discussion films moderated by Senator (now Governor) Edwin Johnson (D-Colorado) and Edgar G. Shelton, Director, National Security Training Commission.

**AMERICAN FLAG, THE (THE STORY OF OLD GLORY) (EB)**

i-j-h-a 14 minutes B&amp;W: \$3.15, Color: \$5.00

Emergence of the Stars and Stripes as an emblem of independence and unity is told through a march of events in which the flag has played its role. Traces the history of flags on this continent from Columbus' time through the Revolutionary War, the Betsy Ross legend, the story of Francis Scott Key, the Civil War, to our flag's place in today's institutions—at the polls, in our courts, and schools.

**AMERICAN GIRL, AN (BRF)**

j-h-c-a 30 minutes B&amp;W: \$5.65

Based on an actual incident, this film tells how an adolescent girl in a small town tests the democratic tradition in which she has been reared. Norma Davis, who is not Jewish, wears a bracelet that has Jewish symbols on it. She is accused of trying to "pass" and told to "stick to her own kind." She exposes her experience with anti-Semitism, and explores the problem by reading her diary at a P.T.A. meeting.

**AMERICAN HORSE, THE (UC)**

j-h-c 17 minutes Color: \$5.65

Distinct breeds which have been developed in America include the Morgan, standardbred, Quarter horse, and the Tennessee walking horse. Other types more widely known for their coloring are the Indian pony called the Appaloosa, the California palomino, and the southwestern pinto. Also shown and described are the racer, hunter, polo pony, hackney, harness, the draft animal, cavalry mount, saddle horse, rodeo bronco, and the parade horse. (Also see "HORSE IN NORTH AMERICA, THE")

**AMERICAN INDIANS BEFORE EUROPEAN SETTLEMENT (C)**

i-j-h 10 minutes Color: \$3.50

Surveys the life-patterns of Indian tribes who lived in North America at the time of the first European settlers. In each of the five basic regions of the U.S.A.—the Eastern Woodlands, the Great Plains, the Southwest, the Far West, and the Northwest coast—the film depicts where the Indians originally came from, how they lived, and how they achieved unique cultures as related to their environment.



**AMERICAN INDIANS OF TODAY (EB)**

i-j-h-a 18 minutes Color: \$5.00  
Documents the present-day achievements and problems of American Indians in a variety of situations. Analyzes current trends that are shaping the future of American Indians as ranchers and farmers, migratory workers, craftsmen and artists, professional men and technicians.

**AMERICAN PIONEER, THE (AL)**

i-j-h 19 minutes B&W: \$4.15  
Shows the types of people, modes of transportation, and physical dangers encountered in the period of American expansion westward. Includes the building of a frontier fort against the Indians with the use of primitive tools and native lumber. Points out the conflict with Eastern land speculators who tried to exploit the efforts of the pioneers and the economic and social motives for westward movement.

**AMERICAN REVOLUTION, THE (EB)**

j-h-a 12 minutes Color: \$5.15  
A clear explanation of the strategy, the struggle, the movement of forces, and the important military engagements of the war for independence. Stresses geographical, social and political factors which brought victory to the thirteen states. Animated drawings and color photography cover the terrain and battlefields over which the war was fought.

**AMERICAN REVOLUTION: THE BACKGROUND PERIOD (C)**

j-h-c 10 minutes B&W: \$2.25, Color: \$3.40  
The political, social and economic conditions in the American colonies that fostered self-reliance and independence and united men of varied background and interest in the common cause against British rule are explained. Events leading to the break with England are presented in their historic settings—Concord, Boston, Philadelphia, Williamsburg.

**AMERICAN REVOLUTION: THE POSTWAR PERIOD (C)**

j-h-c 10 minutes B&W: \$2.25, Color: \$3.40  
The last phase of the American Revolution—the emergence of a federal government, defined by the Constitution and ratified by the states of the new nation—is the subject. The Constitutional Convention and the urgency of its task are related in the film to be the complex problems that beset the states at the end of the war.

**AMERICAN REVOLUTION: THE WAR YEARS (C)**

j-h-c 10 minutes B&W: \$2.25, Color: \$3.40  
The major phases of the War of Independence—military, political, and diplomatic—highlighting them in the settings of the important events that marked the progress of the war from 1775 to 1783. The role of Washington as general and leader is revealed effectively in the portrayal of the broad strategy of the war and the recurring problems of supply and morale.

**AMERICAN ROAD, THE (FMC)**

general 39 minutes B.W. & Color: \$5.25  
Shows how the automobile has influenced and changed American life during the last 50 years.

**AMERICAN SEA POWER (TFC)**

general 11 minutes B&W: \$1.65  
An excellent view of American sea power just prior to the entry into—World War II. Shows the fleet steaming out on battle maneuvers, and the tasks the various members of the crew perform. There is entertainment during the idle moments, including a hog-calling contest. *Restricted to Classroom Use.*

**AMERICAN SPOKEN HERE (JOHN NESBITT'S PASSING PARADE) (TFC)**

j-h-c-a 10 minutes B&W: \$1.65  
A dramatized history of several slang expressions, showing their origin and how they came to be included in the American idiom. *Restricted to Classroom Use.*

**AMERICAN SQUARE DANCE, THE (C)**

j-h-c-a 10 minutes B&W: \$2.15  
With orchestral accompaniment, an experienced caller and a narrator explain the positions and teach such fundamental steps as the swing, alemande, grand right and left, promenade, do-si-do, and many others. The film includes the folk dance, "Take a Little Peek."

**AMERICAN TEACHER, THE (McGH)**

h-c 16 minutes B&W: \$3.15  
Presents the pros and cons of progressive education and points out to the U.S. citizen his responsibility for the quality of the education his community provides. Traces the history of American education system.

**AMERICANS ALL (McGH)**

i-j-h-c-a 16 minutes B&W: \$3.15  
A gripping and objective presentation of an issue which concerns every American. The film further shows how a forward-looking city like Springfield, Massachusetts, offers an inspiring plan to other communities for combatting prejudices and how your school and your town can deal with the causes of this injustice.

**AMERICA'S AIRPOWER (McGH)**

h-c-a 17 minutes B&W: \$3.65  
New planes, the men who will fly them, and the pilots who are working at speeds beyond the speed of sound are shown in this film that points to the importance of aviation in our national defense.

**AMERICA'S HERITAGE OF HOSPITALITY (NREA)**

j-h-c-a 22 minutes Color: \$2.15  
The American dining table in home and restaurant from colonial times to the present. The film is shown in the form of a cross-country travelogue, with particular emphasis on the restaurant industry from hamburger counters to hotel dining rooms. Traces the movement of food from its sources through transportation, storage, preparation, and serving of complete meal.

**AMERICA'S NEW AIR POWER (CAA)**

j-h-c 16 minutes B&W: \$2.15  
Describes the steps being taken by our military leaders to develop the nation's first line of defense—The U. S. Air Force—as a weapon so formidable that no potential enemy will dare risk its counter-blows. Included are scenes of some of the latest types of jet fighters and bombers.

**AMERICA'S WONDERLANDS (UW)**

i-j-h 9 minutes B&W: \$1.65  
Shows some of America's scenic wonders—Niagara Falls, Rocky Mountain National Park, Yellowstone, Crater Lake, the Columbia River, Bryce and Grand Canyon, Yosemite, Mount Rainier and the Monterey Peninsula.

**AMMONIA (CHEMISTRY LAB. SERIES) (C)**

h-c 18½ minutes B&W: \$3.70  
Ammonia is prepared from ammonium chloride and the physical and chemical properties of ammonia are illustrated by means of various reactions. Ammonia water is considered and its properties as a base and as a precipitant are noted. Equations are derived from the reactions shown.

**AMOEBAS, THE (UW)**

h-c 10 minutes B&W: \$2.15  
Microphotography and animated drawings show the structure and life functions of a single-celled organism. Shows movement of the amoeba, activities of various parts of the cell including the digestive process, and reproduction by fission.

**AMOEBAS AND VORTICELLA (EP)**

h-c-a 9 minutes B&W: \$2.15  
Reveals the habits, physical structure, and methods of reproduction of unicellular life. Gives detailed explanations of muscular action, nerve control, methods of motivation and processes of reproduction.

**AMPERES, VOLTS AND OHMS: ELEMENTARY ELECTRICITY (RADIO TECHNICIAN TRAINING) (CAA)**

h-c 8 minutes B&W: \$2.15  
An elementary treatment of the relationship of the symbols, amperes, ohms, and volts and what each of these units measures. Also deals with the instruments used to measure volts and amperes.

**AMPHIBIANS (C)**

i-j-h 10 minutes Color: \$3.40  
Presents the characteristics and differences of the amphibians: frogs, toads, and salamanders. Shows how and where they live, what they eat, and what changes they undergo in their development and metamorphosis.



## **AMPHIBIANS: FROGS, TOADS, AND SALAMANDERS (FA)**

i-j 11 minutes Color: \$3.60

Presents an overview of these animals and illustrates stages in the metamorphosis of a tadpole into an adult frog.

## **ANALYTICAL BALANCE AND ITS USE, THE (UI)**

c 14 minutes B&W: \$2.60

Briefly explains and illustrates the theory of the balance; shows a simple trip balance and explains its use; shows an analytical balance, explains the function of the various parts, and shows how to determine the rest point. An actual weighing is shown and explained, and several modern innovations of the analytical balance are presented.

## **ANATOMY OF THE DOGFISH, THE (UW)**

h-c 21 minutes B&W: \$3.95

Dogfish anatomy is explained through shots of living fish, pinpointed dissections, and animated diagrams. Interprets the function of the dogfish as a result of the three stages.

## **ANCIENT BAALBEK AND PALMYRA (EB)**

i-j-h 10 minutes Color: \$3.40

As members of a desert caravan, pausing for water and rest, we visit the ruins of ancient Palmyra and Baalbek, in Syria. We wander among the remains of temples and halls of a city built by King Solomon to commemorate the ground on which David slew Goliath.

## **ANCIENT CHINESE PAINTINGS IN AMERICA (H)**

h-c-a 11 minutes Color: \$3.40

Using selected examples from the great Chinese collections in three leading American museums, Mr. Wango Weng has presented a brief survey of Chinese paintings. The representative art of each dynasty is illustrated.

## **ANCIENT EGYPT (C)**

i-j-h-c 10 minutes B&W: \$2.15, Color: \$3.40

A visit to Egypt to see the great Sphinx, the temple at Karnak and many examples of famous Egyptian sculpture. Lists ways in which the Egyptian civilization has contributed to western culture. Also shows scenes of Egyptian landscapes.

## **ANCIENT GREECE (C)**

i-j-h 11 minutes B&W: \$2.25, Color: \$3.40

The Parthenon, the Academia, the Plain of Marathon, a village of Sparta—these and other landmarks reflect the spirit of ancient Greece. The farming and industry of the time; the advancements in politics, religion, art, and education; and the ideals of ancient Greece are clearly illustrated.

## **ANCIENT MESOPOTAMIA (C)**

i-j-h-c 10 minutes B&W: \$2.15, Color: \$3.40

The contributions of the Sumerians, Semites, Babylonians and Assyrians who occupied the Tigris-Euphrates Valley are depicted against authentic locales that include Babylon, Ur and Nineveh. These people were first to use the arch and the wheel. They developed a code of laws, a system of writing and military science—all of which have become a part of western civilization.

## **ANCIENT ORIENT: THE FAR EAST (C)**

j-h-c 14 minutes Color: \$4.20

Traces the early civilizations of China, Japan, and India. Uses early manuscripts, sculpture and architecture to show how oriental life was shaped from early times to the present.

## **ANCIENT PAESTUM: CITY OF THE GREEKS AND ROMANS (C)**

h-c-a 18 minutes Color: \$6.70

In the ancient city of Paestum, in southern Italy, archaeologists have discovered remnants of a civilization founded by the Greeks in the 6th century, B. C., and later dominated by the Romans. In this film, we study the plan of the city and its beautifully designed buildings, many in the finest Doric tradition and in an excellent state of preservation, as well as the exquisitely wrought sculpture and ceramic work, artifacts, and other relics of a culture that is representative of the finest of ancient Greece and Rome.

## **ANCIENT PETRA (EB)**

i-j-h 10 minutes Color: \$3.40

An archaeological study of ancient Petra, a city of red sandstone caves in the heart of the Arabian desert. We see the effects of Edomite, Arab, Greek, and Roman civilizations imposed upon the architecture of this caravan crossroad city.

## **ANCIENT ROME (C)**

i-j-h-c 10 minutes B&W: \$2.25, Color: \$3.40

As a city, as a religious center, as capital of an empire, ancient Rome dominated the people of its times. Even in our modern world, the Roman influence is profound. The achievements of Rome in government, architecture, and engineering are presented, establishing our specific inheritance from that culture.

## **ANCIENT WORLD INHERITANCE (C)**

i-j-h-c 10 minutes B&W: \$2.15, Color: \$3.40

A tour of a great museum gives us glimpses of the ancient civilization which gave us our money, our alphabet, and even the beginnings of modern industry.

## **AND GLADLY TEACH (NEA)**

h-c-a 28 minutes Color: \$6.65

Points out the deep satisfactions of teaching and shows the opportunities in the field. Includes segments of other National Education Association films.

## **AND NO BELLS RING (NASSP)**

c-a 57 minutes B&W: \$8.55

A report of the ideas developed by the National Association of Secondary-School Principal's Commission on Staff Utilization. The interrelationship among large-group instruction, small-group discussion, independent study, and the teacher team are shown. These basic ideas are seen in action and are candidly evaluated by students, teachers, and administrators who have experienced them in several Commission-sponsored local experiments.

## **AND SO THEY LIVE (NYU)**

h-c-a 20 minutes B&W: \$4.50

Pictures the tragic poverty of the land in a rural southern community, the lack of proper diet, housing, and sanitation, and the need for better adaptation of the school program to the problems of the community. Presents a detailed and intimate picture of the family, the real affection and respect among the family members emerging as clearly as the unfortunate social and economic circumstances under which they live.

## **AND THE EARTH SHALL GIVE BACK LIFE (SQ)**

j-h-c-a 23 minutes B&W: \$2.15

Explains for the layman just what the wonder drugs are, what they do, and how—when they are used—the earth is in effect actually “giving back life.”

## **AND THEN ICE CREAM (NYU)**

c-a 10 minutes B&W: \$2.15

Episodes are presented to stimulate discussion on the parental supervision of children's meals. Should parents take the responsibility for a balanced diet or should the child's appetite determine his intake is one specific issue which is raised.

## **AND THEN THERE WERE FOUR (SVOC)**

h-c-a 24 minutes B&W: \$3.70

Five persons start out for work in the morning—none of them exactly a reckless driver—but carelessness will cost one of them his life before evening. Narrated by Jimmy Stewart, it is a dramatic lesson in traffic law observance.

## **ANDANTE ET RONDO (HOP)**

j-h-c-a 5 minutes B&W: \$2.00

Gregor Piatigorsky, concert cellist, presents tonal magnificence of rare quality in the playing of Weber's *Andante et Rondo*.

## **ANDES—CHILE'S BARRIER (HFE)**

j-h-c 11 minutes B&W: \$2.15

The story of an unusual mountain range, how it is responsible for the climate, resources, and boundaries of a nation, and how it governs the lives of the people of Chile. Simple animated drawings show the effect of the Andes on Chilean climate and natural resources.

## **ANDRES SEGOVIA (WAR)**

h-c-a 13 minutes B&W: \$2.40

The great guitarist, Andres Segovia, permits the audience into the seclusion of his Paris studio as he talks and discusses his instrument, playing compositions to illustrate his subject. Playing traditional and contemporary numbers, he is seen and heard in Bach's *Prelude*; Sor's *Theme and Variations*; Torroba's *Sonatina* and *Spanish Song*, Traditional.



**ANDREW CARNEGIE (EB)**

j-h 19 minutes B&W: \$4.15  
Reviews his life from his poverty-stricken youth in Scotland to his leadership in American industry. Depicts his trials and successes through which he rose to head the world's greatest steel producing system. Outlines the many philanthropic activities after he realized the fulfillment of his youthful dreams.

**ANDREW JACKSON (EB)**

i-j-h 20 minutes B&W: \$4.15  
Portrays episodes in the life of America's seventh President who has become the symbol of the common man in government. Depicts scenes of his boyhood, highlights of his military career, and events in his years as President. Reveals his inauguration of a policy which led to the spoils system, and explains his attack on the United States Bank.

**ANDY PANDA'S POP (UW)**

p-i 7 minutes B&W: \$1.70  
Papa Panda tries to fix his roof when the ladder collapses. He tries hurling rolls of roofing paper, but this doesn't work. A curious pelican complicates the job, and he finally calls a roofing expert.

**ANDY'S ANIMAL ALPHABET (McGH)**

p 10 minutes Color: \$3.65  
A trip through the Bronx Zoo with Andy, the zoo's orangutan. Visits are made to animals—some strange and some familiar—whose names begin with different letters of the alphabet.

**ANDY'S BLACKSMITH SHOP (UW)**

p-i 7 minutes B&W: \$1.70  
Papa Panda, teased by Andy to allow him to shoe a horse, disguises himself as a horse. A riot of fun begins, mixed up with magnets, flying anvils, and red-hot horse shoes. Pop finally runs for his life; Andy chases him and proves he can nail on a shoe.

**ANDY'S GARDEN (UW)**

p-i 6 minutes B&W: \$1.70  
Andy plants seeds and a cocky rooster gobbles them up. He and his dog have a bad time with the rooster. They get the worst of the riot until a bottle of Vitamin B is spilled all over the garden. Seeds sprout and plants leap out of the ground. The rooster is forgiven.

**ANGEL OF MERCY (TFC)**

i-j-h-c 10 minutes B&W: \$1.65  
Shows the care of the wounded by Clara Barton during the Civil War and her subsequent efforts to organize the American Red Cross. *Restricted to Classroom Use.*

**ANGLES (KB)**

h-c 11 minutes B&W: \$2.15  
Defines various types of angles and explains their relationships. Shows how to construct angles by means of intersecting lines, and how to measure them with a protractor.

**ANGLES AND ARCS IN CIRCLES (KB)**

h-c 13 minutes B&W: \$2.15  
Deals with measurement of central angles, arcs, inscribed angles, and angles formed by two chords. Theorems and proofs are introduced and demonstrated.

**ANGRY BOY (IFB)**

c-a 33 minutes B&W: \$5.15  
The story of Tommy Randall who, having been caught stealing in school, is sent to a child guidance clinic rather than being treated as a criminal. An investigation by members of a psychiatric team at the clinic reveals that Tommy is suffering from an emotional disturbance which is traced to its basic causes. Shows how his mother is helped to understand Tommy and how Tommy himself becomes adjusted through the work of the clinicians.

**ANIMAL BREEDING (EB)**

h-c-a 13 minutes B&W: \$2.50  
Deals with selective breeding of animals to produce desired characteristics in the offspring. Illustrates with animated diagrams how stock is produced by in-breeding and cross-breeding. Shows that animals are also bred artificially and indicates that the benefits of scientific breeding are shared by all.

**ANIMAL CUNNING (SPI)**

general 10 minutes B&W: \$2.15  
Shots of a wide variety of animals showing their instinctive cunning and alertness in the struggle for existence.

**ANIMAL FRIENDS (FA)**

p 11 minutes Color: \$3.40  
This film tells the story of Kitten, a baby cat, and Shep, a big white dog. Kitten and Shep are good friends, playing together, resting together, and even eating together. Although Kitten wanders off to have a few adventures with other animals, she eventually returns to Shep.

**ANIMAL HABITATS (FA)**

i-j 10 minutes Color: \$3.60  
Explains relation between living things and the environment in which they are found.

**ANIMAL HOMES (EB)**

p-i 10 minutes B&W: \$2.15  
Settings and exterior scenes of animal homes in the trees, in the ground, and in the water. Inside views are shown in the homes of the trapdoor spider, raccoon, woodchuck, squirrel, wood mouse, and others.

**ANIMAL HOTEL (TFC)**

p-i 10 minutes B&W: \$2.15  
Animals from all parts of the world are shown at the National Zoological Park in Washington, D. C. The photographer has recorded instructive and amusing scenes of the bears, elephants, hippos, and other creatures. Deft commentary and excellent visual content make this film exceptionally useful in the primary and elementary grades. *Restricted to Classroom Use.*

**ANIMAL LAND (SF)**

p-i 7 minutes B&W: \$1.75  
The story of a group of animals whose home island is being flooded by a spring rain. All the animals work together to build dikes except Hammel, the hamster, who meets with disaster because he didn't cooperate with the other animals.

**ANIMAL LIFE (EB)**

j-h 10 minutes B&W: \$2.15  
After a rapid review of the main types of animals—protozoans, sponges, coelenterates, echinoderms, worms, molluscs, crustaceans, insects, and vertebrates—the film shows animal functions such as locomotion, food intake, digestion, waste disposal, respiration and nervous system activity. Animated diagrams make these illustrations more clearly understood.

**ANIMAL LIFE AT LOW TIDE (DPP)**

i-j 11 minutes Color: \$3.60  
A boy and girl visit the seashore and, at a tide-pool, find and study many salt-water animals and their means of locomotion, protection and getting food. Included are starfish, tube-building sea worms, sea anemone, limpet, sea urchin, snails, and the molting of hermit crabs.

**ANIMAL STORIES: JUNGLE JAUNT (RKO)**

p-i-j 7 minutes B&W: \$1.65  
A story about two trained lion cubs, a rat, a monkey, a skunk, and a lamb. All the animals take a jaunt into the jungle and get into trouble, but when they work together to help their friend in need the ending is happy indeed.

**ANIMAL TOWN OF THE PRAIRIE (PRAIRIE DOGS AND THEIR NEIGHBORS) (EB)**

i-j-h 11 minutes Color: \$3.80  
One of the most fascinating and highly organized animal communities is the prairie dog town—an underground colony which attracts such strangely assorted neighbors as burrowing owls, rattlesnakes, skunks, and cottontail rabbits. Film shows how prairie dogs, with their tireless construction of burrows and their collective eating habits, actually re-shape their environment to suit their own needs.

**ANIMALS AND THEIR FOODS (C)**

p-i 10 minutes B&W: \$2.25, Color: \$3.40  
The range and diversity of animals' foods, the suitabilities of certain animals for different kinds of foods, and the continual search of wild animals for food are the subjects illustrated in this film.



**ANIMALS AND THEIR HOMES (C)**

p-i 10 minutes Color: \$3.40  
To rear young animals, some form of protection must be provided. This protection comes in the form of environment. Various animals' homes such as the duck, beaver, stickleback, rabbit, horned lark, robin, eagle, squirrel, gopher, prairie dog, wasp, and cliff swallow are discussed in relation to their environment and protection of the young.

**ANIMALS AND THEIR HOMES (YA)**

p-i 10 minutes B&W: \$2.35  
Various kinds of homes that wild animals may build or find for use are pictured.

**ANIMALS AT WORK IN NATURE (EB)**

p-i 10 minutes Color: \$3.40  
Unusual photography of different kinds of animals at work introduces and illustrates the concept that nature has equipped animals with special parts of their bodies which they use as tools to build homes, raise their young, and get and store food. Among the many animals shown in the film are: bees, woodpeckers, crickets, orioles, caterpillars, ants, gophers, and beavers.

**ANIMALS GROWING UP (EB)**

p-i 11 minutes B&W: \$2.15  
Traces growth and development of baby animals during the first few weeks of life. Animals depicted include a litter of puppies, a new-born calf, and a hatching of chicks. The film illustrates how mother animals care for their young, and close-up scenes portray the physical changes taking place in the young animals at intervals of several days and weeks.

**ANIMALS IN AUTUMN (EB)**

p-i 11 minutes Color: \$3.40  
Some animals hibernate, migrate, or remain active during the cold months. Beginning concepts as to why each of these is a natural result of the animal's make up.

**ANIMALS IN SPRING (EB)**

p-i 12 minutes Color: \$3.40  
Illustrates habits of different birds, animals, and insects in the springtime.

**ANIMALS IN SUMMER (EB)**

p-i 11 minutes Color: \$3.40  
The animal photographer, Lynwood Chase, turns his lens upon a dozen or more common animals of the woods during the summer months. From the fish and frog to insects and meat eaters, we see the animals seeking food and sheltering their young from their enemies.

**ANIMALS IN WINTER (EB)**

p-i 10 minutes B&W: \$2.15  
Tells how animals adapt themselves for winter, how they change the color of their hair or fur, and how they survive during the months of snow. Animals shown in this film include the badger, woodchuck, chipmunk, owl, rabbit, porcupine, bobcat, and fox. Shows changes that take place in larvae for the winter months. The preparations each makes for its winter fight for survival is clearly shown.

**ANIMALS MOVE IN MANY WAYS (FA)**

p 10 minutes Color: \$3.60  
Illustrates a few of the many different ways in which living things move about. Original musical score.

**ANIMALS OF ALASKA (NOR)**

i-j 11 minutes Color: \$3.30  
Shows lives of wild animals typical of the Northland—brown bear, moose, caribou, walrus, and the mountain goat.

**ANIMALS OF PREHISTORIC AMERICA (McGH)**

i-j 15 minutes Color: \$5.40  
Motivated by the interest of two children, a paleontologist explains how the development of animal and plant life on earth is interpreted from fossil remains. The changing forms of animal life over the past billion years, from simple invertebrates to modern mammals, are shown by means of picture reconstructions and animated models.

**ANIMALS OF THE FARM (M)**

p-i 10 minutes B&W: \$2.25  
A tool to familiarize the young student with the common farm animals and to introduce him to a study of the value of

domesticated animals to society. In the form of a slowly-paced tour, this film takes the audience behind the farmer's fences to secure a close-up view of barnyard activity.

**ANIMALS OF THE ICE AGES (NOR)**

j-h-c-a 15½ minutes B&W: \$3.25  
Scientists dig into earth layers from the prehistoric age, discover, and classify a number of bones. Examples of these animals and methods of identification are illustrated.

**ANIMALS OF THE INDIAN JUNGLE (EB)**

p-i 11 minutes Color: \$3.40  
Explores the dense tropical rain forest of Eastern India, showing vivid closeups of representative animals in their native environment. Shows the pattern of survival in the jungle—the ways of the hunters and the defenses of the hunted. Includes sequences on the tiger, the python, the cobra, the mongoose, the monkey, and the elephant.

**ANIMALS OF THE ZOO (EB)**

p 11 minutes B&W: \$2.15  
Feeding time at the zoo! This gives us a splendid opportunity to see not only the animals, but also the different kinds of food they eat. Also we see conditions of some of the animals' native homes. Among the film stars are the lion, tiger, giraffe, bison, hippopotamus, rhinoceros, elephant, monkey, sea lion, and the bear.

**ANIMALS PROTECT THEMSELVES (C)**

p-i 11 minutes Color: \$3.60  
Billy, his father, and Snooper his dog take a walk through the woods and discover some of the ways animals have of protecting themselves from their enemies. Billy learns that some animals protect themselves by running very fast, others by their coloration, and still others by their structure. Some animals, such as the skunk, have quite unique and effective defense mechanisms.

**ANIMALS THAT FLY (FA)**

p-i 10 minutes Color: \$3.60  
This film presents the three groups of animals capable of flight: insects, birds, and bats. Difference in flying ability, structure of wings, methods of wing movement are compared.

**ANIMALS THROUGH THE WINTER (YA)**

p-i 10 minutes B&W: \$2.35  
Adaptations which help animals survive the winter are pictured in this film.

**ANIMALS UNLIMITED (FON)**

i-j-h-c-a 18 minutes B&W: \$3.35, Color: \$6.15  
Depicts wild animal life in its natural state in Kruger National Park. Shows remarkable scenes of wild beasts living, fighting, and dying. Includes lions, zebras, antelope, and giraffes.

**ANIMALS USEFUL TO MAN (EB)**

p-i 11 minutes Color: \$3.80  
Traces the contributions animals have made from primitive times down to the present day. In our highly mechanized civilization animals still supply many of man's needs. As a source of food and raw materials, they are just as valuable as ever. In certain geographical areas of the world the muscle power of animals is almost indispensable. Doctors and scientists find ever-increasing use for animals in research. Animal pets give pleasure to countless numbers of people.

**ANIMALS—WAYS THEY EAT (EB)**

p-i 11 minutes Color: \$3.40  
Pictures the use of specially adapted body parts which enable various animals to catch and eat the food necessary for their survival. Among the animals shown are amoeba, snails, crabs, fish, birds, giraffes, cows, and other wild and domestic animals. Slow motion and extreme close-up photography show the smallest details.

**ANIMALS—WAYS THEY MOVE (EB)**

p-i 11 minutes Color: \$3.80  
Pictures the different means of movement that animals use—running, hopping, crawling, climbing, swimming, gliding, flying. Frequently uses slow motion photography on fast-moving animals and speeded-up photography on slow-moving animals. Examples of animals shown are bison, ostrich, kangaroo, rabbit, grasshopper, inchworm, snail, snake, eel, sea lion, flying squirrel, and heron.



**ANIMALS WITH BACKBONES (C)**

i-j 10 minutes B&amp;W: \$2.35, Color: \$3.40

Illustrates the basic difference between vertebrates and invertebrates. Fish, amphibians, reptiles, birds, and mammals are seen and the characteristics of each group are emphasized.

**ANIMATED CARTOONS: THE TOY THAT GREW UP (AFF)**

h-c-a 20 minutes B&amp;W: \$3.25

A child's toy called the traumatrope led the Belgian physicist Joseph Plateau to study a characteristic of the human eye called the persistence of vision. He used this scientific fact to make up a machine that seemed to animate static drawings. Emile Reynaud developed Plateau's machine further and was the first to show animated cartoons. One of these is shown in the film.

**ANIMULES (IFB)**

i-j-h 11 minutes Color: \$3.40

All you need is newspaper, paste, some wire and string, paper toweling, and paints to make some interesting and unusual "animules." The film shows how the basic parts of the body can be formed, and from there the builder's imagination can take over in developing all sorts of odd or unusual creations.

**ANKARA AND CENTRAL TURKEY (IFB)**

i-j-h 11 minutes Color: \$3.80

Views of Turkey's capital, contrasting the old and the new in architecture, transportation, and living patterns. Includes scenes of agricultural areas, folk festivals, maps, and historical coverage.

**ANN RUTLEDGE (LINCOLN SERIES) (McGH)**

h-c-a 33 minutes B&amp;W: \$5.65

Portrays Lincoln as a young lawyer and a member of the legislature. Presents him in a courtroom sequence. Shows the mental and physical stress on Lincoln after Ann Rutledge's death, his recovery, and departure for the legislature.

**ANNA KARENINA (TFC)**

j-h-c 40 minutes B&amp;W: \$8.00

A school version of MGM's feature picture of the same name. *Restricted to Classroom Use.*

**ANNAPOLIS (RKO)**

h-c-a 16 minutes B&amp;W: \$3.75

Shows the various features of the Naval Academy in terms of its customs, traditions, and guiding principles. Pictures the life of the midshipman in different phases of his training, including the graduation exercises.

**ANSWERING THE CHILD'S WHY (EB)**

c-a 14 minutes B&amp;W: \$3.15

Brings to light important aspects of the period when the child begins to ask questions. Dramatizes true-to-life situations in which youngsters meet with positive or negative attitudes toward their questions and suggests the resulting effects on their personalities. A valuable film for helping children make a harmonious adjustment to the world about them.

**ANT AND THE DOVE, THE (AN AESOP FABLE) (C)**

p 8 minutes Color: \$3.00

"One good turn deserves another" is the moral of this fable by Aesop. This charming animated tale of an ant who, despite his small size, is able to save the life of his friend, the dove, will stimulate reading, writing, and oral expression. Produced by Gakken Film Company, Ltd., Tokyo.

**ANT CITY (AL)**

j-h-c-a 11 minutes B&amp;W: \$2.15

The complete and complex society of ants is seen. Their architecture, social and economic perfection, ability to organize and control, their habits, work, and detailed activities are shown.

**ANTIBIOTICS (EB)**

j-h 14 minutes B&amp;W: \$3.45, Color: \$5.15

Illustrates an important new weapon in man's fight against disease. Defines antibiotics and shows how they have been used successfully in medicine. Highlights research in the development of antibiotics and calls attention to the use of antibiotics in animal husbandry and food preservation.

**ANTONY AND CLEOPATRA (YA)**

j-h-c-a 33 minutes B&amp;W: \$5.85

A faithful condensation of the play with a professional cast and the highest technical standards.

**ANTONY AND CLEOPATRA (ACT III, SCENE XIII) (UW)**

j-h-c-a 13 minutes B&amp;W: \$2.80

A centuries' old love story as related by Shakespeare. This scene covers an incident after the split between Caesar and Antony. Performed by the Old Vic Repertory Company.

**ANTS (EB)**

i-j 11 minutes B&amp;W: \$2.15

The film reveals various activities of four different types of ants—mound builders, black ants, household ants, and carpenter ants. The life cycle of the carpenter ant is shown in detail. This includes such activities as a queen laying eggs, workers caring for pupae, a female pupa emerging from her cocoon, and preparation for the mating fight. A battle between colonies of mound builders and wood ants is shown.

**ANYONE AT ALL: SAFETY IN THE COMMUNITY (EB)**

h-c-a 22 minutes Color: \$6.15

Shows how the citizens of an average American town—their interest in community welfare aroused by the enthusiastic safety campaign of a single community group—proceeded to organize a concerted fight against lax safety conditions. Film is climaxed with positive suggestions on what each individual can do to promote safety.

**APACHE INDIAN (C)**

p-i 8 minutes Color: \$3.15

Natural setting and color picturization of several tribal ceremonies. We see the Apache demonstrate his magnificent horsemanship and his love of pageantry and display in tribal functions.

**APHIDS (EB)**

j-h-c 10 minutes B&amp;W: \$2.15

Photographs and animated drawings show the life cycle of the aphid and how it is kept as a "cow" by the ant for a source of food.

**APPALACHIAN SPRING (REM)**

h-c-a 30 minutes B&amp;W: \$7.25

This is a folk tale set in the Appalachian wilderness at the pioneer period of American history. Its characters are a young pioneer and his bride, a pioneer woman, a wandering preacher and his small band of ecstatic followers. The dance tells, in lyric terms, of the young couple's wedding day, the building of their house, their celebration, the preacher's dire sermon, and the pioneer woman's gentle blessing. The day ends and the young couple begin life together. This is the only full length Martha Graham ballet on film.

**APPIAN WAY, THE (AFF)**

h-c-a 10 minutes B&amp;W: \$1.65

A camera trip along the Appian Way in Italy, showing European Recovery Plan aid helping the Italians in dozens of ways to construct a new and better Italy.

**APPLE ANDY (UW)**

p-i 10 minutes B&amp;W: \$1.70

Film tells of the torment and strife between good and evil spirits which struggle to influence Andy Panda. Story centers about some forbidden apples, and Andy learns that one cannot be a friend of Satan.

**APPLE HANDLING METHODS (USDA)**

h-c-a 30 minutes Color: \$2.15

This film summarizes the results of research conducted by Pacific Northwest apple packing and storage houses which was designed to develop improved work methods, devices and equipment for handling apples in and out of these storage houses. It also portrays the developments brought about by this research. One of these developments was the portable mechanical lift for high piling and breaking out high piled boxes of apples. One of the most important purposes of this film is to acquaint the apple industry with the developments in materials handling and to stimulate individual operators to improve their present handling methods.

**APPLE PACKING METHODS (USDA)**

h-c-a 28 minutes Color: \$2.15

The work of three years of research along the line of apple packing methods is recorded, as well as the findings of the research in such areas as sorting, sizings, and conveyor systems.



**APPLES (FROM SEEDLING TO MARKET) (EB)**

i-j 11 minutes Color: \$3.40  
 Uses the Delicious apple to trace the major steps of apple growing and packing—from planting and grafting stages through shipment of the packaged fruit. Features modern methods of horticulture, including the use of helicopters for dusting growing trees as protection against insect pests. Illustrates both natural and artificial methods of pollination.

**APPLICATION OF PASCAL'S LAW: PART I (ELEMENTARY HYDRAULICS) (CAA)**

h-e 14 minutes B&W: \$2.15  
 Reviews Pascal's Law and studies the input and output pistons and the system in actual motion. Demonstrates how work is done by means of a hydraulic system and the measurement of work.

**APPLICATION OF PASCAL'S LAW: PART II (ELEMENTARY HYDRAULICS) (CAA)**

h-e 15 minutes B&W: \$2.15  
 Demonstrates Pascal's Law, using two output pistons. Explains the principles of hydraulic brakes and the hydraulic jack.

**APPOINTMENT WITH YOUTH (McGH)**

h-c-a 28 minutes B&W: \$5.15  
 What are the advantages and disadvantages of the teaching profession? Presents the idea that teaching is a good profession, not just for its good working hours, salary, and vacation, but also for personal satisfactions.

**APPRECIATING OUR PARENTS (C)**

p-i 11 minutes B&W: \$2.25  
 Here is a film that will serve as an important guide to promote a more genuine appreciation of parents and to establish attitudes of respect and affection for mothers and fathers. Students will realize the sacrifices made by parents and will so gain an insight into their role in the parent-child relationship.

**APPROACHING THE SPEED OF SOUND (SOC)**

h-c-a 28 minutes Color: \$2.15  
 This film is an introduction to high speed flight. It clearly describes and explains how sound travels through air and why the speed of sound affects high speed aircraft. Special photographic techniques give striking views of shock waves building up.

**APRYL AND HER BABY LAMB (AT)**

p 13 minutes Color: \$4.20  
 A little lost lamb wanders in the home of a five-year-old girl named Apryl. Apryl experiments with food to see what the lamb will eat. She and her brother, Peter, take the lamb to the neighborhood coffee shop where they learn that the lamb came from a nearby farm. On the way over the hill to the farm, the lamb hides in a cave from which the children rescue him and return him to his owner.

**APTITUDES AND OCCUPATIONS (C)**

h-c 20 minutes B&W: \$3.40  
 Six types of human aptitudes—clerical, mechanical, social, musical, artistic, and scholastic—are shown with methods of testing them by means of psychological tests.

**AQUA FROLICS (UW)**

general 10 minutes B&W: \$1.70  
 Daring thrill-seekers provide exciting and novel entertainment for lovers of sports. Basketball under water, diving from 300-foot cliffs, water ski champs, reckless canoists in rapids, and daring outboard motor boat feats are shown.

**AQUARIUM WONDERLAND (DPP)**

i 10 minutes Color: \$3.40  
 A boy of intermediate grade age sets up a home aquarium and observes the activities of fish. Close-ups, microscopic photography and animation are used. The interdependence of plants and animals is indicated.

**ARAB MIDDLE EAST (McGH)**

j-h-c-a 16 minutes B&W: \$3.95  
 History of the Middle East is stressed by taking a comprehensive geographical tour of the countries making up the Arab nations. Agriculture, irrigation, transportation, housing, education, and the refugee problem highlight the guided tour. Summarizes in the final scenes by pointing out the future of the Arab countries.

**ARAB VILLAGE (McGH)**

i-j-h 10 minutes Color: \$3.90  
 Primitive life in a Lebanese village. How irrigation and medical science help change the ancient patterns.

**ARABIAN BAZAAR (EB)**

i-j 9 minutes Color: \$3.40  
 Technicolor photography portrays an Arabian bazaar as a center where nomads buy food, blankets, leather and metal goods, exchange news and gossip, and enjoy a cup of coffee with friends.

**ARABIAN CHILDREN (EB)**

i-j 15 minutes Color: \$5.65  
 The life of a farm family in the village of Saahab, Jordan, is pictured and special attention is given to the children's experiences. Their home and school, the ways in which they help with the daily work, their problems, pastimes and family life are shown in the course of a typical day.

**ARACHNIDS (UW)**

h-e 11 minutes B&W: \$2.15  
 The life cycle, body structure, habitats, and special adaptations are studied by observing the garden spider. Web-spinning, food-getting, coition, and cocoon-spinning are shown. Relatives of spiders seen are king crab, scorpions, harvestmen, mite, and tick.

**ARBITRATION IN ACTION (AMAA)**

h-c-a 60 minutes B&W: \$2.15  
 This film, specifically designed for company and union representatives, is suitable for acquainting general audiences with the methods by which labor and management resolve disputes. Arbitration in this film is between Amalgamated Union of Jig Bushers, Local 202, and Jig Bushings, Inc.

**ARCHERY FOR GIRLS (C)**

j-h-c 10 minutes B&W: \$2.25  
 With experts demonstrating, the film shows and explains the fundamental techniques of shooting: proper stance, nocking the arrow, the draw, the aim, and the loose. Stressing relaxation and practice, the film is popular with beginners and experts alike.

**ARCHERY FUNDAMENTALS (BFS)**

j-h-c-a 11 minutes Color: \$3.80  
 Designed to give beginning archers basic knowledge about shooting equipment, proper methods of choosing and using it, and safety measures, together with tips that will increase enjoyment and achievement on the archery field. Demonstrations are given by both men and women, showing step-by-step procedures in preparing to shoot, sighting the target, and releasing the arrow.

**ARCHERY INSTRUCTION AND SAFETY (HCA)**

j-h-c-a 10 minutes Color: \$3.60  
 Explains the equipment required, the parts of a bow and arrow, how to string a bow, pulling the bow to shoot, correct release of the arrow, the correct stance, etc. Stresses also the safety precautions one should take.

**ARCHIMEDE'S PRINCIPLE (EB)**

j-h 6 minutes B&W: \$1.65  
 Re-creates Archimedes' experiments under conditions that show the development of his Principle. Demonstrates experimentally the measurement of the buoyant force of fluid upon an immersed solid.

**ARCHITECTURE MEXICO (AMP)**

c-a 20 minutes Color: \$6.15  
 Pictures the modern architecture in Mexico with the artists and architects who have contributed to this new trend. Shows the new housing developments, modern office and government buildings, the gardens of the Pedregal, and the University of Mexico with its new library, stadium, and dormitories decorated with the unusual and picturesque sculptures and mosaics of Mexico.

**ARCHITECTURE—U.S.A. (AIA)**

h-c-a 26 minutes Color: \$6.95  
 Shows outstanding examples of contemporary American architecture of homes, schools, offices, factories, and a preview of the future.



**ARCHIVES, THE (TFC)**

j-h-c 10 minutes B&amp;W: \$1.65

The approach to the Archives Building is pictured with its two statues, "Heritage" and "Vigilance," upon which the words "Eternal vigilance is the price of liberty" are chiseled. Bronze doors swing open to reveal the Exhibition Hall where some of the greater documents of freedom and peace are on display. Valuable records are shown in the Search Room being re-conditioned and treated for permanent filing, in the photostat room being copied on durable paper for public handling, and in the storage vaults where historical records are preserved on films and recordings. *Restricted to Classroom Use.*

**ARCTIC BORDERLANDS IN WINTER (C)**

i-j-h 11 minutes B&amp;W: \$2.15

A film field trip to Churchill, Manitoba, showing how in these northern barren lands, every living thing, including man, must either adapt to this frigid environment or perish.

**ARCTIC, THE: ISLANDS OF THE FROZEN SEA (EB)**

i-j-h-c-a 33 minutes B&amp;W: \$6.15

Using actual accounts from the log books and journals of famous explorers for most of the narration, the film makes an unusual and fascinating tour of the northern reaches of the High Arctic. From the desolate lands of The Queen Elizabeth Islands, the camera reveals seldom-photographed animal and plant life and evidences of life in an earlier age. The unexpected abundance of life on these Canadian islands is vividly pictured.

**ARCTIC SEAL HUNTERS (IFB)**

j-h 12 minutes B&amp;W: \$2.15

Eskimos hunting walrus, polar bear and hair seals. Processing the skins, meat and blubber to provide food, clothing and shelter.

**ARE MANNERS IMPORTANT? (EB)**

i-j 11 minutes B&amp;W: \$2.15

Mickey Taylor learns why manners are important after some rather trying experiences. The why and wherefore of the use of manners is fully illustrated.

**ARE YOU A GOOD CITIZEN? (C)**

j-h-c 11 minutes B&amp;W: \$2.15

Mr. Heineman has just been chosen to preside over the "Citizenship Day" celebration. In this film you see why he is considered such a good citizen. A checklist of good citizenship essentials is provided, and you learn a new appreciation of the role of democratic institutions in our way of life.

**ARE YOU POPULAR? (C)**

j-h 11 minutes B&amp;W: \$2.25

Illustrates that an individual is popular and welcome in any group because he or she is friendly, considerate and interested in other people.

**ARE YOU READY FOR MARRIAGE? (C)**

h-c-a 17 minutes B&amp;W: \$3.65

A couple, who want very much to get married, discover what it takes to be ready for marriage. A practical "checklist" of criteria for engagement and marriage is offered by a marriage counselor.

**ARE YOU READY FOR SERVICE SERIES: COMMUNISM (C)**

h-c 11 minutes B&amp;W: \$2.15

A quiet calm objective presentation of the birth and growth of communism, and why the terribly hard life of the Russian peasant was such a fertile ground for the original growth of the idea; how the original idea of betterment of the working classes has grown into the dream of world domination by the Russian leaders; and why it is imperative that we meet this threat.

**ARE YOU READY FOR SERVICE SERIES: GETTING READY EMOTIONALLY (C)**

h-c 11 minutes B&amp;W: \$2.15

In the service there are many new emotional demands. There is the problem of homesickness and the problem of taking orders. It will be much easier if we take stock of ourselves now—what our weaknesses are, where we need the most self-discipline—and begin to work to overcome these weaknesses before we enter service.

**ARE YOU READY FOR SERVICE SERIES: GETTING READY MORALLY (C)**

h-c 11 minutes B&amp;W: \$2.15

When entering service you will meet several new people. You must get a picture of the kind of person you want to be and live in accordance with that standard. Film is specific about ways in which young men entering service can live up to their own standards.

**ARE YOU READY FOR SERVICE SERIES: GETTING READY PHYSICALLY (C)**

h-c 10 minutes B&amp;W: \$2.15

Service makes great demands on physical strength. Anyone who is entering service in the near future can make his basic training period and his whole service life much easier by beginning now to develop his physical condition. The armed forces have worked out certain minimum physical standards. The film tells what those standards are, how to check yourself to determine how closely you measure up to them, and what to do to improve yourself.

**ARE YOU READY FOR SERVICE SERIES: MILITARY LIFE AND YOU (C)**

h-c 11 minutes B&amp;W: \$2.15

Discipline learned on the parade ground pays off everywhere in military life. The film draws parallels between situations in daily life where you need discipline and situations in military life.

**ARE YOU READY FOR SERVICE SERIES: NATION TO DEFEND (C)**

h-c 11 minutes B&amp;W: \$2.15

Shows how devotion to the best interests of our country links us today with men of high purposes who, throughout our history, have always served their nation as the situation demanded.

**ARE YOU READY FOR SERVICE SERIES: SERVICE AND CITIZENSHIP (C)**

h-c 10 minutes B&amp;W: \$2.15

Good citizenship is important both out of service and in. All citizens of the United States have certain responsibilities to that citizenship. One of the heaviest of those responsibilities is service in the armed forces. But those of us who are not in service have responsibilities also, and accepting them is part of our job. For those who will shortly enter service, facing these responsibilities is important preparation for the further responsibilities of military service.

**ARE YOU READY FOR SERVICE SERIES: STARTING NOW (C)**

h-c 10 minutes B&amp;W: \$2.15

The struggle between Communism and Democracy is serious, and life in service is demanding. We know that sooner or later we will be faced with it. The best way to face that fact is to start *now* to prepare for it. Time slips away rapidly, and it is very easy to put the preparation off to the last minute, when it is too late. Film shows what can be done now to prepare for future military service.

**ARE YOU READY FOR SERVICE SERIES: WHAT ARE THE MILITARY SERVICES? (C)**

h-c 10 minutes B&amp;W: \$2.15

Explains the many specialized jobs in the military services and points out the "division of labor" between the Army, Navy, Marines, and Air Force. Shows how this team, working together, operated to capture an island during World War II.

**ARE YOU READY FOR SERVICE SERIES: WHAT IT'S ALL ABOUT (C)**

h-c 10 minutes B&amp;W: \$2.15

The film answers many questions which young men in service will have to face—the first of them being, "Why am I here?" Shows the efforts the United States has made to preserve freedom and peace and why we must be willing to make sacrifices if we want freedom to continue.

**ARE YOU READY FOR SERVICE SERIES: WHEN YOU ENTER SERVICE (C)**

h-c 11 minutes B&amp;W: \$2.15

Just what are the first days in the service like? This film shows the things that almost every recruit in every branch of the service goes through—clothing issue, assignment to barracks, shots, classification tests, and drill.



## ARE YOU READY FOR SERVICE SERIES: WHY YOU? (C)

h-c 11 minutes B&W: \$2.15  
A presentation of the major reasons why young men are called to serve in the armed forces of their country. Citizenship, national and international need, future expectations, and the requirements of our military program are summarized.

## ARE YOU READY FOR SERVICE SERIES: YOUR INVESTMENT IN THE FUTURE (C)

h-c 11 minutes B&W: \$2.15  
Life in the service provides a real opportunity for attaining maturity—learning to live and work with all kinds of people and learning to handle your own problems. It is not a “gap” in your life, rather it affords an opportunity to plan and prepare for your future. It also offers an opportunity to invest in the future of the whole country by making sure the country is strong enough to have a future.

## ARE YOU READY FOR SERVICE SERIES: YOUR PLANS (C)

h-c 11 minutes B&W: \$2.15  
What's the use of a young man studying and trying to prepare for the future when he will probably be drafted before his plans materialize? The film points out the feasibility of planning for a future that *includes* a period of service in the armed forces, plans that will enable him to pick up again when he gets out. Also shows effectively the value planning can have for him in preparing to go into the service and what it can do while he is in.

## AREAS (KB)

h-c 11 minutes B&W: \$2.15  
The needs and uses for finding areas of various figures are presented in this film. It shows clear, graphic demonstrations of recognized methods for the computing areas of rectangles, parallelograms, triangles and circles.

## ARGENTINA—PEOPLE OF THE PAMPAS (EB)

i-j-h-a 16 minutes B&W: \$3.45, Color: \$5.00  
This film illustrates rural and urban life in Argentina by contrasting the rich agricultural area of the Pampa with the industrial, business and shipping area of Buenos Aires.

## ARGENTINE ARGOSY (TFC)

h-c-a 10 minutes B&W: \$1.65  
A sweeping panorama of Argentina with glimpses of city life, the great cattle ranches and farms, the mountains and lakes in Western Argentina. *Restricted to classroom use.*

## ARISTOTLE AND THE SCIENTIFIC METHOD (C)

j-h 14 minutes Color: \$4.50  
Against a background of the achievements of science in the ancient world, the film stresses Aristotle's contribution to the development of the scientific method. Departing from Plato's ideas, Aristotle made observations based on his experience, classified his data, performed experiments, and sought to arrive at generalizations or principles. The film illustrates how his work laid the foundations for such sciences as botany and zoology.

## ARITHMETIC FOR BEGINNERS (BFS)

p 18 minutes B&W: \$3.95  
Designed for teaching of simple addition and subtraction. Explains the 2, 3, 4, 5, and 6 families of numbers by the use of animated toy figures.

## ARITHMETIC: UNDERSTANDING THE PROBLEM (C)

i-j 11 minutes B&W: \$2.35  
Points out the importance of understanding an arithmetic problem before attempting to solve it and offers a practical approach in dealing with word problems.

## ARIZONA (THIS LAND OF OURS SERIES) (IFI)

i-j-h 9 minutes B&W: \$2.15  
Historical, scenic, and industrial highlights of Arizona, with emphasis upon the Navajo Indians who live in the state.

## ARIZONA AND ITS NATURAL RESOURCES (USBM)

j-h-c-a 28 minutes Color: \$2.15  
Covers the state of Arizona and gives a clear picture of its scenic wonders, its agricultural possibilities, and its mineral resources. Traces the history of the state from the days of Indian civilization to its emergence as the forty-eighth state in the year of 1912.

## ARMY AIR FORCES: PACIFIC (OWI)

j-h-c-a 18 minutes B&W: \$2.15  
Reports General H. H. Arnold's pleas for a strong postwar Air Force; explains that wartime supremacy was the result of a merger of aviation, naval, and ground force power; and includes scenes of the air war over Wake, Philippines, Burma, Saipan, Okinawa, and Japan.

## ARMY AIR FORCES REPORT (OWI)

general 40 minutes B&W: \$2.15  
General Arnold's report (1944) on the AAF in film form. The General mentions numerous instances that made 1944 an impressive war year for the flyers.

## ARMY NURSE (OWI)

j-h-c 18 minutes B&W: \$2.15  
During World War II the Army Nurse devoted training and zeal to keeping the wounded soldier in the field and in the hospital alive. This is a review of the importance of the women in the Nurses Corps.

## ARNOLD TOYNBEE (WISDOM SERIES) (EB)

j-h 28 minutes B&W: \$6.15  
The author of the massive ten-volume book, *A Study of History*, talks about the experiences that have influenced his work. The famous British historian also describes the research and writing that went into his monumental summary of world history and discusses his philosophy of historical causation.

## AROUND THE ACROPOLIS (TFC)

j-h 9 minutes B&W: \$1.65  
A picture of modern, busy Athens with the Acropolis as a background, with orchestra accompaniment. *Restricted to classroom use.*

## ARRANGING THE TEA TABLE (SM)

j-h-c-a 9 minutes Color: \$2.65  
Illustrates the reasoning behind attractive and correct tea-table arrangement. Points out the use and placement of silver, flowers, candles, and pouring settings in arranging the tea table for a group.

## ARROWSMITH (TFC)

h-c-a 11 minutes B&W: \$2.15  
Based on the novel of the same name by Sinclair Lewis, this film portrays the story of two doctors who develop a serum which will afford immunity to bubonic plague, and their problems in testing the serum on human beings. *Restricted to Classroom Use.*

## ART AND LIFE IN ITALY (C)

j-h-c-a 11 minutes B&W: \$2.15, Color: \$3.40  
The art of Italy is shown as the result of activities of the Italian people in the land in which they live. Photographs included are scenes on the streets of Florence, Giotto's frescoes in the Arena chapel in Padua, and views of other historic monuments and works of art.

## ART AND MOTION (EB)

j-h-c-a 18 minutes Color: \$5.15  
Explains motion as an integral element of the visual arts. A dancer and a skater portray motion as found in objects of nature and as organized in space and time. The film graphically reviews important contemporary trends in modern art, emphasizing ways in which artists today utilize motion in painting, in mobiles and in camera techniques.

## ART DIRECTOR (BEHIND THE SCENES) (TFC)

general 11 minutes B&W: \$1.65  
Produced in cooperation with the Academy of Motion Picture Arts and Sciences, this film explains the work of the art director in the production of a feature motion picture. Shows how motion picture sets are designed and constructed, and indicates the research necessary to make them authentic. *Restricted to Classroom Use.*

## ART: DRY PAPER MODELING (UOK)

general 18 minutes B&W: \$3.85  
Encourages creative expression in making fanciful figures with dry paper, paste, gummed strips and tempera paint. Step-by-step demonstration and explanation of construction techniques and a display of creations by primary, elementary and adult students puts emphasis on imagination and originality.



**ART FOR EVERYBODY (NFBC)**

h-c-a 11 minutes B&amp;W: \$1.65

Pictures the functions of the art gallery in the community, and shows how it acts both as an art repository and as a stimulus to the cultural life of the city.

**ART FROM SCRAP (CREATIVE HANDS SERIES) (IFB)**

i-j 5 minutes Color: \$2.65

Sixth and seventh grade pupils are shown creating a variety of art work: wire animals, a fairytale castle, masks, a picture with a three-dimensional look, stage sets and dioramas from available materials such as scraps of felt, pipe cleaners and candles.

**ART IN AMERICA (MOT)**

h-c-a 26 minutes B&amp;W: \$4.90

A survey of important artists, leading art schools, and basic trends in sculpture and design. Includes a visit to art museums in America.

**ART IN OUR WORLD (BFS)**

j-h-c-a 10 minutes Color: \$3.40

Discloses sources of inspiration in man's environment and interprets these forms through the eyes of the creative artist. Designed to increase the art student's sensitivity to the world of movement, acquaint him with some of the successive phases of movement, and develop an urge to explore movement and investigate change in all its forms.

**ART IN THE WESTERN WORLD (THE NATIONAL GALLERY OF ART, WASHINGTON, D. C.) (EB)**

j-h-c-a 30 minutes Color: \$11.35

Starting with the 13th century, this film tells the highlights in the development of western art. The most important schools of art and cross currents are represented, including the development of art in the United States. The National Gallery of Art in Washington reveals its treasures before the camera.

**ART INSTITUTE OF CHICAGO (RC)**

h-c-a 10 minutes B&amp;W: \$2.15

The collection at the Chicago Art Institute covers the span from ancient to modern art. Part of the film is devoted to classroom scenes of students at work with linoleum block printing, pottery making, textile design, painting, and sketching.

**ART OF LEATHER CARVING (SB)**

general 22 minutes B&amp;W: \$4.15, Color: \$5.25

Joe E. Smith demonstrates leathercraft. Shows how to prepare the leather, how to apply the pattern and every swivel drawn line, and the use of each special stamping tool.

**ARTERIES OF LIFE (EB)**

j-h-a 10 minutes Color: \$3.40

Water and forests are portrayed as important elements in the chain of life. It is shown that topsoil is helpless in supplying life unless aided by water, and that water itself depends on forests which provide humus to store and regulate its flow.

**ARTERIES OF NEW YORK CITY (EB)**

i-j-h 10 minutes B&amp;W: \$2.15

Analyzes facilities of New York City providing safe, economical and efficient transportation. Calls attention to distribution of residential and business districts, daily flow of people between these sections, types of transportation, roles of highways, bridges, and tunnels, and police regulation including traffic direction from the air.

**ARTHROPODS: INSECTS AND THEIR RELATIVES (C)**

j-h 11 minutes Color: \$3.60

Reveals the major physical characteristics which identify the arthropods, the largest animal grouping. Examples from each of the four main classifications—myriapods, insects, arachnids, and crustaceans—are compared and studied with reference to their common characteristics, their natural environment, and the ways in which they are helpful and harmful to man.

**ARTICULATORY MOVEMENTS IN THE PRODUCTION OF ENGLISH SPEECH SOUNDS: PART I, CONSONANTS (UW)**

c-a 25 minutes Color: \$7.15

Illustrates the production of speech through the use of animated drawings of the breathing process and direct photography of the movement of the laryngeal and articulatory structures. Movements of the lips, mandible, tongue, velum,

and pharyngeal constrictor muscles are shown in illustrations of oral continuant consonants, nasal continuants, plosives and affricatives commonly present in American speech.

**ARTICULATORY MOVEMENTS IN THE PRODUCTION OF ENGLISH SPEECH SOUNDS: PART II, VOWELS (UW)**

c-a 26 minutes Color: \$7.15

Through live action photography, the movements of the laryngeal and articulatory structures are summarized as well as the production of vowels and their movements with glide sounds. Resonance is considered as a factor in speech intelligibility; this is done through samples of connected speech.

**ARTIFICIAL RESPIRATION: BACK PRESSURE ARM LIFT METHOD (SEF)**

h-c-a 6 minutes B&amp;W: \$1.65

One method of artificial respiration is the back pressure arm lift method. Correct procedures of the method are described in this film.

**ARTISANS OF FLORENCE (IFF)**

j-h-c-a 18 minutes B&amp;W: \$4.15

The Institute of Art in Florence, Italy, furnishes the setting for a film which shows many phases of Italian art and handicraft: ceramics, drawing, sculpturing, leather tooling, silver hammering, and jewelry designing. Also shows Italian home life and Italian agriculture. Closes with a "Festa del l'Uva," the Feast of the Grapes.

**ARTIST AND NATURE (BFS)**

j-h-c-a 11 minutes Color: \$3.40

Forms of art are present in the natural environment and are stimulating to a creative mind. Water is interpreted in a wood cut. Tracks in the sand, grain of wood, the seeds of plants, and soil—formations inspire line patterns in stencils and silk screens. A chambered nautilus is the source of a spiral pattern and leaves provide ideas for many shapes and linear forms.

**ARTS AND CRAFTS OF MEXICO: PART I—POTTERY AND WEAVING (EB)**

i-j-h-a 14 minutes Color: \$5.00

Illustrates the manufacture of Talavera ware in Puebla and more typically Mexican pottery in Tonalá. Shows complete steps in primitive manufacture of serapes from sorting and spinning to weaving.

**ARTS AND CRAFTS OF MEXICO: PART II—BASKETRY, STONE, WOOD, AND METALS (EB)**

i-j-h-a 11 minutes Color: \$3.80

Shows intricacies of basket and hammock-weaving, wood carving, guitar making, silverwork, glass-making, and lacquerwork. Explains how Spanish and Indian cultures blended and why handicrafts still flourish in Mexico.

**AS BOYS GROW (MA)**

j-h-c 17 minutes B&amp;W: \$4.00

Deals with the changes that occur during adolescence. Attention is given to both primary and secondary sexual characteristics, and to the relationship between the sexes during adolescence.

**ASEXUAL REPRODUCTION (IU)**

j-h-c-a 10 minutes B&amp;W: \$2.15

Illustrates asexual reproduction by fission in microscopic plants and animals, and by budding in the strawberry, chrysanthemum, and geranium plants. Compares the basic differences between asexual and sexual reproduction in regard to variability of offspring.

**ASIAN EARTH (AT)**

j-h-c-a 22 minutes Color: \$6.65

Activities of a Hindu family of the lower Ganges Valley. Their work, play and worship. The mother gives her explanations and interpretations.

**ASSASSINATION OF JULIUS CAESAR, THE (YOU ARE THERE) (CBS)**

j-h-c-a 27 minutes B&amp;W: \$5.65

The assassination of Caesar in 44 B.C. gives us an insight to the great personalities of that time and a clue to the change that was to take place in the world of that day.



## ASSEMBLY OF ALIGHTING GEAR SHOCK STRUT (CAA)

h-c-a 20 minutes B&W: \$2.15  
Illustrates the construction and assembly of the P38 strut piston and cylinder.

## ASSIGNMENT INDIA (EB-NBC)

h-c-a 56 minutes B&W: \$11.15  
Reveals India as a land with young, exciting ideas of democracy, outgrowing its ancient patterns of caste and custom. Shows how programs in agriculture, industry and education are geared to raise the nation's standard of living.

## ASSIGNMENT: VENEZUELA (CPC)

j-h-c-a 24 minutes B&W: \$2.15  
Presents the country as seen through the eyes of a young petroleum engineer newly arrived from the United States. There are views of the vast off-shore oil fields, the ultra-modern city of Caracas, the beautiful old-world influence and the exciting new developments.

## ASTEROIDS, COMETS, AND METEORITES (FA)

i-j-h 11 minutes B&W: \$2.35  
Asteroids, comets, and meteorites are shown in animation as they orbit in the solar system. The discovery of asteroids by Piazze in 1801; Haley's study of comets; and the use of radar and photography in studying meteorites are topics discussed. The satellite Pioneer V is shown as a new artificial part of the solar system.

## ASTRONOMER, THE (IFB)

j-h 16 minutes Color: \$5.30  
The construction and functions of the giant 200-inch Hale telescope at Palomar Mountain is shown in detail, and we see an astronomer at work as he positions the great telescope and exposes his film. Many of the finest photographs made on modern telescopes are shown. The film stresses the work of the astronomer away from the telescope. The photographs and spectrograms made during the course of a few nights of observation at the telescope provide the material for weeks and months of measurements and analysis. Many of the specialized tools used for these measurements are shown.

## ATACAMA DESERT (UW)

j-h-c-a 18 minutes B&W: \$2.50  
This hot, dry desert of Northern Chile, provides the famous Chilean nitrate in abundant quantities. The life of the people who mine this mineral is an interesting and hard one. An over-all view of the people and industry are presented in this educational film.

## ATATURK (AFME)

j-h-c-a 29 minutes Color: \$2.15  
Records the transformation of Turkey from the Ottoman Empire into the dynamic nation it is today. Shows Kemal Ataturk's part in this transformation. Film is primarily historical in nature and contains rare footage of Turkey's great leader.

## ATMOSPHERE AND ITS CIRCULATION (EB)

j-h-c 10 minutes B&W: \$2.15  
Animated drawings are used throughout this film to explain the structure and the dynamics of the atmosphere. The first part of the film gives a detailed presentation of the structure, the chemical composition, the gaseous nature, the distribution of air, the weight of air, altitude and pressure and temperature variations throughout the atmosphere. The second sequence shows the circulation of the atmosphere as it would appear on an idealized globe without mountains or oceans. The circulation is explained in terms of the pressure bands surrounding the earth. The actual circulation or wind movements as affected by the earth's rotation are described in detail, both for winds near the surface and for winds aloft.

## ATMOSPHERIC PRESSURE (EB)

j-h 9 minutes B&W: \$2.15  
Traces the history of man's progressive understanding of the earth's atmosphere through re-enactment of celebrated experiments as described in original manuscripts.

## ATOM, THE (AL)

j-h-e-a 11 minutes B&W: \$2.15  
Animation and regular photography are used to explain the structure of the atom and the production of atomic energy. Pictures the explosion of an atomic bomb and some peaceful uses of atomic energy.

## ATOM NO. 1: HOW BIG IS AN ATOM? (IU)

c-a 28 minutes B&W: \$5.15  
Presents Dr. Edward Teller as he reviews various determinations of the size of atoms and discusses some of the ways in which the effects of atoms have been observed. Shows the chemist's representation of molecules using "balls and sticks" and presents a visual notion of the size of atoms through the use of the optical and electron microscope.

## ATOM NO. 2: WHAT MAKES ATOMS STICK TOGETHER? (IU)

c-a 27 minutes B&W: \$5.15  
Dr. Edward Teller, using models and devices, discusses the structure and unique characteristics of atoms and emphasizes and explains their remarkable stability. Explores the particle and wave characteristics that electrons exhibit. Shows how the number of electrons in orbits about the nucleus causes the behavior of certain elements to be similar and points out how these similarities add meaning to the grouping of elements in the periodic table.

## ATOM NO. 3: WHY ARE ATOMS UNPREDICTABLE? (IU)

e-a 27 minutes B&W: \$5.15  
Dr. Teller demonstrates the contradictory particle and wave behavior of electrons and explains the necessity of using subatomic particles to investigate their confusing nature. Discusses the place of the statistical method in these experiments and suggests that, because atomic behavior can be amplified, the whole world is affected by the statistical probability of atomic behavior.

## ATOM AND AGRICULTURE, THE (EB)

j-h-c-a 11 minutes B&W: \$2.15  
Reveals the legitimate areas in which radio activity can be expected to produce practical results for agriculture. Tells the important story of the use of radioactive tracers with phosphate fertilizers and the effect of the fertilizers on a variety of crops grown under a variety of conditions. Depicts other experiments with plants, soils, and animals—experiments in which radioisotopes and radioautographs are playing an important and significant part.

## ATOM AND BIOLOGICAL SCIENCE, THE (EB)

j-h-c-a 11 minutes B&W: \$2.40  
Describes some of the biological effects of high energy radiations on plants and animals. Explains how typical experiments are conducted and demonstrates some of the protective measures required to insure the safety of the experimenters. Points out some possible applications of nuclear radiation to problems of human health, emphasizing work already under way in the study of cancer.

## ATOM AND INDUSTRY, THE (EB)

j-h-e-a 10 minutes B&W: \$2.15  
Reveals how radioisotopes are providing new techniques of measurement and quality control in a wide variety of industries. Indicates how the radiation symbol is becoming a common sight in factories and laboratories, and how workers are learning to handle radioactive materials safely. Examines the problem of "atomic energy for industry."

## ATOM AND MEDICINE, THE (EB)

j-h-c-a 11 minutes B&W: \$2.65  
Demonstrates how, by taking radioiodine internally, one man's condition was diagnosed and cured. Describes the important role of radioisotopes in hospitals, clinics, and doctors' offices. Clarifies misconceptions about the handling, dosage, and alleged dangers of radioisotope diagnosis and therapy. Shows the respect with which radiation must be treated and reveals some of the instruments and devices used to handle it.

## ATOM SMASHERS (EB)

j-h 11 minutes B&W: \$2.40  
Explains the importance of cyclotrons and describes two other major types of atom smashers—linear accelerators and betatrons. Illustrates how the products of atom smashing are identified, and demonstrates protective measures taken against the dangers inherent in this research.

## ATOM STRIKES, THE (UW)

h-e-a 30 minutes B&W: \$3.15  
Beginning with the atom bomb tests in New Mexico, the film shows the subsequent bombing of Hiroshima and Nagasaki and the utter ruin caused to structures of various types, including bridges, factories, and roads.



## **ATOMIC ALERT (SCHOOL, HOME, AND STREET) (EB)**

j-h-c-a 18 minutes B&W: \$2.15  
Develops general concepts about atomic radiation and then demonstrates protective measures to be taken in event of atomic bomb attack. Explains briefly about atomic developments and machinery. Combines animated drawings with photography to achieve desirable attitudes and responses about atomic defense.

## **ATOMIC BOMB—ITS EFFECTS AND HOW TO MEET THEM (BIS)**

h-c-a 44 minutes B&W: \$7.15  
What happens to a city when an atomic bomb explodes 1,000 feet above it? Drawings, symbols, and models plus a live presentation take the citizen through a step-by-step account. Indicates the immense civil defense problems involved with the detonation of the bomb.

## **ATOMIC ENERGY (EB)**

j-h-c 11 minutes B&W: \$2.40  
Portrays and explains, by means of animated multiple drawings, concepts basic to an understanding of what atomic energy is and how atomic energy is released.

## **ATOMIC ENERGY—INSIDE THE ATOM (EB)**

i-j 13 minutes Color: \$5.00  
Structure of the atom visualized in animation; its effects are shown in demonstrations with cloud chamber and geiger counter; its uses are observed in a hospital, an atomic power plant, and an atomic submarine.

## **ATOMIC PHYSICS: ATOMIC THEORY (PART I) (UW)**

h-c 11 minutes B&W: \$2.15  
Starts with the basic theory proposed by Dalton in 1808, and outlines progress in atomic study during the nineteenth century including Faraday's electrolysis experiments, and Mendeleef's Periodic Table.

## **ATOMIC PHYSICS: RAYS FROM ATOMS (PART II) (UW)**

h-c 11 minutes B&W: \$2.15  
Demonstrates early work with cathode rays and discovery of the electron; how positive rays were discovered and how their nature established the work of Röntgen with x-ray; and the work of Sir Joseph Thomson.

## **ATOMIC PHYSICS: THE NUCLEAR STRUCTURE OF THE ATOM (PART III) (UW)**

h-c 18 minutes B&W: \$4.15  
Reconstructs the early work of Becquerel and the Curies on radioactivity and explains Rutherford's theory of the nuclear structure of the atom. Moseley's work in support of this theory is visually shown by animated diagrams.

## **ATOMIC PHYSICS: ATOM SMASHING: THE DISCOVERY OF THE NEUTRON (PART IV) (UW)**

h-c 22 minutes B&W: \$4.55  
The work of the Curies and James Chadwick in discovery of the neutron is explained; splitting of the lithium atom by Cockcroft and Walton is discussed; Einstein explains his theory of mass energy. The cyclotron and its use is explained.

## **ATOMIC PHYSICS: URANIUM FISSION (PART V) (UW)**

h-c 22 minutes B&W: \$5.15  
Events leading to the discovery of uranium fission are reviewed and explained. Developments in the making of the atomic bomb are outlined. Peacetime research and a hopeful look at the future completes the series.

## **ATOMIC POWER (McGH)**

h-c 19 minutes B&W: \$3.75  
Traces the early beginning of atomic power from 1905 when Einstein proved that matter could be converted into energy, up to 1945 when the first atomic bombs were used. Explains the nature of atomic energy and includes reenactments of the scientists' current campaign to tell the world the full meaning of atomic power.

## **ATOMIC RADIATION (EB)**

j-h 12 minutes B&W: \$2.40  
Explains the fundamentals of atomic radiation—its discovery, what it is and does, and why it should be respected rather than

feared. Describes how man has been able to reproduce in the laboratory some of the forms of radiation found in nature. Explains the roles of alpha, beta, gamma, and neutron particles in radioisotope research.

## **ATOMIC RESEARCH: AREAS AND DEVELOPMENT (C)**

h-c-a 13 minutes B&W: \$3.40  
Using scenes of actual atomic installations and operations, this film surveys important areas of atomic research—the energy applications of nuclear fission, the structure of the atom, and the by-products of nuclear fission. Shows how radioisotopes are used to trace photosynthesis, egg formation, and growth of plants, and to help detect and treat disease.

## **ATOMS AT WORK (BIS)**

h-c-a 11 minutes B&W: \$2.15  
Illustrates the many valuable peacetime uses of atomic energy available to mankind. Some of the strides made by England to harness this source of power for use in medicine and industry are illustrated. Radioactive materials are shown being produced and put into use in hospitals, textile mills, and steel plants.

## **ATTEMPT TO ASSASSINATE THEODORE ROOSEVELT, THE (YOU ARE THERE) (CBS)**

j-h-c-a 27 minutes B&W: \$5.85  
Dramatizes Theodore Roosevelt's campaign to regain the Presidency on the Bull Moose ticket in 1912. The film reenacts the attempt on his life outside his hotel in Milwaukee, and depicts the character of the man who continued to campaign for his principles despite the wound in his chest.

## **ATTITUDES AND HEALTH (C)**

j-h-c 10 minutes B&W: \$2.25  
Marv Baker does not make the basketball team. His sister, Alice, is actually ill because she fails to get an expected promotion. They learn from their doctor that wrong attitudes prevent the individual from doing his best, and can even cause physical illness. The film shows that both achievements and failures have meaning only in perspective, and that self-confidence and right attitudes are vital to good health.

## **ATTRACTING BIRDS IN WINTER (IFB)**

i-j-a 6 minutes Color: \$2.65  
Shows how two children attract winter birds to their own backyards by building a variety of feeding stations. Shows some common winter birds feeding in their natural habitat. Tells what foods are most suitable and the reasons for attracting winter birds to our backyards. Shows some common species at several types of feeding stations.

## **AUDIO OSCILLATOR OPERATION (RADIO TECHNICIAN TRAINING) (CAA)**

h-c 9 minutes B&W: \$2.15  
Explains operation of audio oscillator and demonstrates its use. Performance of the oscillator is shown by checking an amplifier with the audio oscillator and "A" scope.

## **AUDIO-VISUAL AIDS TO LEARNING (UW)**

h-c-a 11 minutes B&W: \$1.65  
Shows the approved and complete utilization of materials from a typical American audio-visual aids center.

## **AUDIO-VISUAL MATERIALS IN TEACHING (C)**

c-a 14 minutes Color: \$5.15  
Illustrates the advantages of using visual aids in the classroom. Shows the integration of audio-visual materials into a unit by the cooperation between the teacher and the audio-visual center. Glimpses of actual class situations and an audio-visual center are presented.

## **AUDIO-VISUAL SUPERVISOR, THE (IFB)**

c-a 17 minutes Color: \$6.00  
The function and responsibility of the supervisor of a typical audio-visual department are outlined in this timely film. Training the teachers to use available materials and operate equipment; teacher preparation of audio-visual materials; supervising students' participation in the department; purchasing new materials and equipment with the help of evaluating committees; working with curriculum planning groups; participating in school budget planning; and reporting the department's activities to the community are effectively presented. A clear statement of a new and growing professional field.



**AUDUBON AND THE BIRDS OF AMERICA (C)**

i-j-h-a 16 minutes Color: \$5.00  
 The life and works of John James Audubon, the great "American Woodman," are unfolded as the film re-creates Audubon's youth in America, his struggles to resolve repeated business failures, his interest in painting wildlife, his decision to dedicate his life to his art, and his eventual triumph in the publication of his magnificent work, *The Birds of America*.

**AUSTRALIA (EB)**

i-j-h 22 minutes B&W: \$4.55, Color: \$7.45  
 A survey of the geographic, economic, and social factors characterizing Australia today. Contrasts urban and industrial concentration in East and Southeast with slower development in the arid central and western areas. Describes Australia's principal exports and imports, and reveals a modern and progressive society maintaining strong economic and social ties with the motherland, Great Britain.

**AUSTRALIA: THE LAND AND THE PEOPLE (C)**

i-j-h 18 minutes Color: \$5.00  
 Shows the continent's climate and major economic activities in relation to Australia's position as "the land down under" and its huge size and small population. Stresses the British heritage of the English-speaking Australians.

**AUSTRALIA TODAY (ANIB)**

j-h-c-a 30 minutes Color: \$8.30  
 Shown are the fine cities, the beaches, mountains, and magnificent coastal scenes of Australia, as well as her mines, farms, sheep and cattle ranches, flowers, animals, and birds. Many interesting features of the island continent.

**AUSTRALIA TODAY (IFB)**

j-h-c-a 22 minutes Color: \$7.15  
 Australia is shown as a continent almost as large as the United States; the driest country in the world, with endless miles of sparsely populated bush country. The oldness of the continent, its long isolation from the rest of the world, and its dry climate are shown to have produced creatures found in no other part of the world. Views of Sidney indicate the commercialism that is blooming in Australian cities along with the uncultivated but rich surrounding lands.

**AUSTRALIA'S CORAL WONDERLAND (ANIB)**

i-j-h-c 30 minutes Color: \$9.00  
 Shows sea life under an Australian coral reef and a giant sea turtle laying eggs. Pictures the symbiotic relationship between the sea anemone and the damselfish.

**AUSTRALIA'S PLATYPUS (LFI)**

general 13 minutes B&W: \$2.15  
 Shows the noted Australian scientist, David Fleay, and a young boy on a trip to capture a platypus. Shows the method of capture and close-ups of the animal, and tells of Mr. Fleay's success in breeding them in captivity. Presents characteristics of the platypus and urges its conservation.

**AUSTRIA (PFI)**

j-h-c-a 22 minutes Color: \$6.65  
 An objective statement of the facts of Austrian existence today; in Vienna and in the Alpine provinces. Historical backgrounds and modern developments are shown; and the story of Austria's fame in arts. Maps illustrate the position of Austria as the "eastern bastion of the Free West."

**AUTO BIOGRAPHY (20th CENTURY) (CBS-McGH)**

j-h-c-a 28 minutes B&W: \$5.35  
 The story of the development of the horseless carriage from the days when Henry Ford tried out his Model T at night so the scoffers wouldn't see, to today when electronically-controlled highways are within the foreseeable future.

**AUTO SAFETY (THE SEARCH) (CBS)**

h-c-a 27 minutes B&W: \$5.65  
 Research at Cornell University shows the advisability of using safety belts in passenger cars; how increased safety can result from new designs for instrument panels; the development of new types of padding materials for car interiors; and the benefits of some form of chest protector on steering wheels.

**AUTO, U.S.A. (DYNAMIC)**

h-c-a 27 minutes Color: \$5.75  
 Dramatizes the impact of the automobile and of highway transportation on American life, and the social and economic problems presented by the increasing number of motor

vehicles. The film suggests that many of these problems could be alleviated by sound transportation planning, traffic engineering, and driver education classes. Presents a challenge to communities for future planning and preparedness.

**AUTOGIRO (CAA)**

h-c 7 minutes B&W: \$2.15  
 This film explains how the autogiro is kept aloft, how the blades turn to produce a lifting force, how gravity affects the blades, how they are hinged, and why they do not fold up like an umbrella.

**AUTOMATIC MACHINES (THE SEARCH) (CBS)**

c-a 27 minutes B&W: \$5.65  
 Research carried on at the Massachusetts Institute of Technology is proving that man is more and more indispensable in certain fields. Shows the development and testing of robot machines which do the work that had been previously performed by the human nervous system.

**AUTOMOBILES (JUNIOR SCIENCE SERIES) (McGH)**

j-h 11 minutes B&W: \$2.15  
 Shows how an automobile engine works, why gasoline and air is explosive, how the carburetor works, and how the engine is cooled in terms of experiments that children can do themselves.

**AUTUMN IS AN ADVENTURE (C)**

p-i 11 minutes Color: \$3.40  
 Autumn, an adventure of falling leaves, beautiful colors, harvests, animals getting ready for winter, and raking leaves is shown through the experience of two children. The audience participates in singing songs, reading poems, and learning new words about autumn.

**AUTUMN ON THE FARM (EB)**

p-i 11 minutes Color: \$3.40  
 Life on a typical farm in autumn is always highly interesting. Full color takes you on a visit to a farm where you see the events that take place in the fall of the year.

**AUXILIARY VIEWS: PART I (MECHANICAL DRAWING SERIES) (McGH)**

h-c 11 minutes B&W: \$2.25  
 The film begins by showing that the three principal views do not represent the true surfaces of an object which has one or more slanting faces. This condition requires projection of the slanting surface on a plane which is parallel to it and is not one of the principal planes. Thus, auxiliary projection is explained and defined, and an auxiliary elevation is constructed on the screen.

**AUXILIARY VIEWS: PART II (MECHANICAL DRAWING SERIES) (McGH)**

h-c 11 minutes B&W: \$2.25  
 A detailed description of the three types of single auxiliaries—auxiliary elevations, right and left auxiliaries and front and rear auxiliaries—is shown. To point up this description, a number of familiar household articles having slanting surfaces that require auxiliary views for complete representation are shown.

**AUXILIARY VIEWS: DOUBLE AUXILIARIES (ENGINEERING DRAWING SERIES) (McGH)**

c 11 minutes B&W: \$2.15  
 Following a brief review of orthographic projection on three principal planes and auxiliary planes, the film introduces the theory of double auxiliary or oblique view, and demonstrates the steps in drawing an object that possesses a slanting surface not perpendicular to any of the principal planes.

**AUXILIARY VIEWS: SINGLE AUXILIARIES (ENGINEERING DRAWING SERIES) (McGH)**

c 23 minutes B&W: \$3.85  
 Reviews orthographic projection and describes the true shape of an object with one or more slanting faces. Auxiliary projection is then explained and defined with detailed explanation of the different types of auxiliaries: auxiliary elevations, right and left auxiliary views, and front and back auxiliary views.

**AVIATION ENGINE DISASSEMBLY AND INSPECTION (CAA)**

h-c 16 minutes B&W: \$2.15  
 The major parts of a modern radial engine, various sub-assemblies and their functions, methods of inspecting for flaws, testing and running in, are illustrated.



**AXIOMS IN ALGEBRA (IFB)**

j-h 13 minutes Color: \$4.70  
Presents the fact that an axiom is a statement accepted as true without proof, and then demonstrates the addition, subtraction, multiplication, and division axioms as applied to solving practical problems, utilizing pictographic equations. Additional examples demonstrate how the root of each equation is used to check the solution.

**AZTECS, THE (C)**

i-j-h-c 10 minutes Color: \$3.40  
Influences on the Aztec civilization are seen in pre-Aztec ruins and reconstructions. A religious ceremony is re-enacted as it might have appeared in 1500.

**B-FLAT CLARINET (McGH)**

j-h-c-a 10 minutes B&W: \$2.15  
Shows in vivid detail the assembly and care of this instrument. Sections of your band, orchestra, or clarinet classes will find value in the portrayal of the need for good handling habits.

**BABY ANIMALS (YA)**

p-i 8 minutes B&W: \$2.15  
An elementary science film dealing with animals and their young. Introduces and explains such concepts as degree and nature of care, resemblance to parents, general growth patterns, variation in ability to care for themselves, and the fact that some baby animals are hatched from eggs and others are born from the body of the mother.

**BABY CARE: FEEDING (PSC)**

h-c 23 minutes B&W: \$4.65  
Divided into two major sequences—correct feeding of the baby and baby's food—the film depicts the presently accepted procedures in infant feeding. Cleanliness and exactness are stressed.

**BABY MEETS HIS PARENTS (EB)**

h-c 11 minutes B&W: \$2.15  
Points out the influences of the human relationships and environmental factors as well as heredity in the baby's development. It explains, with life situations, how the infant personality is influenced directly by the extent to which the baby finds fulfillment of his basic needs—food, elimination, and loving care.

**BABY SITTER (YA)**

j-h-a 16 minutes B&W: \$3.40  
Dramatizes and discusses the mutual responsibilities of the baby sitter and the parent who employs her. Points out the important skills and knowledge which the sitter should have. The film presents Mary Gibson as being properly trained for baby sitting and follows her through the evening as she cares for two small children. Presents most of the important problems which any sitter, whether boy, girl or adult, would encounter in such a situation.

**BABY'S BATH (EB) (SILENT)**

j-h-c-a 15 minutes B&W: \$1.65  
Illustrates correct methods for the baby's bath. Emphasizes that the bath is important not only for cleanliness but also as exercise, enjoyment, and social contact with the mother.

**BABY'S DAY AT 48 WEEKS (EB)**

h-c-a 11 minutes B&W: \$2.15  
Shows prescribed methods of infant care at forty-eight weeks. Numerous situations including the administration of cod-liver oil and orange juice, bathing, dressing, feeding, elimination, floor playing, daytime naps and sleep are shown. Emphasizes the psychological implications and the educational significance of the infant's everyday experiences at this age.

**BABY'S DAY AT TWELVE WEEKS (EB)**

h-c-a 11 minutes B&W: \$2.15  
The infant of twelve weeks is followed through one entire day from the time of his waking at six o'clock in the morning until his final breast feeding at ten o'clock at night. His dressing, bathing, feeding, daytime naps, playing, and general care are presented. An interpretation of the significance of his various reactions is given.

**BABY'S FIRST YEAR (KB)**

h-c-a 8 minutes B&W: \$2.15  
The first sequence shows the care of the mother, the value of a trained nurse and proper foods and exercises. Next illustrates cleanliness for the baby's clothes, food, etc. Then reviews in detailed description of the baby's schedule, including breast feeding, bathing, and sleep.

**BACK THE ATTACK ON BRUCELLOSIS (USDA)**

h-c-a 30 minutes Color: \$2.15  
Shows the area program for the eradication of brucellosis. Explains how the brucellosis ring test works. Includes measures for beef, swine, and goats.

**BACKFIRE (PFCI)**

j-h-c-a 15 minutes B&W: \$3.65  
An economics teacher poses this question to his pupils and neighbors: Should men receive rewards in proportion to their investment in enterprise or was Karl Marx right in his theory of "from each according to his ability, to each according to his need"?

**BACKGROUND OF THE CIVIL WAR (FA)**

j-h 20 minutes Color: \$6.65  
The beginnings of the American Civil War lie buried in the differences between the North and the South. The South had developed into a great agricultural region, dependent upon the growing and selling of cotton. The North had developed into a great commercial region dependent upon the manufacture and sale of products. Each section tried to control the Federal government for its own benefit. The Confederate attack on Fort Sumter signaled the beginning of the American Civil War.

**BACKWARD CIVILIZATION, A (EB)**

i-j-h 20 minutes B&W: \$4.15  
Life among the Berbers of North Africa is surveyed to report a typical instance of the persistence of old isolated types of civilizations. Every significant aspect of the daily life of these people is revealed: their crude handicrafts, their primitive agricultural methods, their customs and superstitions. Forms a background for contrast with contemporary life in the machine age.

**BACKYARD ARTIST (DPP)**

p-i 11 minutes Color: \$3.15  
Shows two youngsters drawing colored sketches of birds in their backyard. They attracted the birds close enough to draw them by building a bird house, and putting up a bird bath and a feeder. Included are sparrows, finches, humming birds and bluejays.

**BACTERIA—FRIEND AND FOE (EB)**

j-h 11 minutes Color: \$3.65  
Animated drawings and live action show bacterial growth and reproduction and ways in which bacteria may be grouped for systematic study. Contributions of Leeuwenhoek, Pasteur, and Koch are related to techniques of modern bacteriology.

**BACTERIA: LABORATORY STUDY (IU)**

j-h-c 15 minutes Color: \$5.00  
Depicts characteristics of microorganisms and shows laboratory techniques for studying them. Time-lapse microphotography is used to show viruses. Explains sterilization methods, preparation of wet mounts, and streaking to obtain pure cultures. Indicates methods of identifying and grouping bacteria as well as control by heat, ultra-violet rays and antiseptics.

**BADMINTON FUNDAMENTALS (C)**

j-h-c-a 9 minutes B&W: \$2.25  
Fundamental skills and rules of badminton are demonstrated in this film by both expert and novice players. How to serve, the forehand and backhand shots, and other important playing techniques are shown, providing a valuable guide for better understanding and enjoyment of this popular game.

**BAKING INDUSTRY, THE (VGF)**

j-h-c 7 minutes B&W: \$2.15  
Shows some of the jobs in a large commercial bakery and the additional jobs in a small retail bakery. Describes a number of technical jobs in this vocation: chemists, bacteriologists, foremen, and production manager.

**BALANCE IN NATURE (FS)**

i-j-h-c-a 17 minutes Color: \$5.40  
Life cycle of aphids and their enemies, ladybird beetles. Portrayal of natural conservation.

**BALANCE YOUR DIET FOR HEALTH AND APPEARANCE (C)**

j-h 11 minutes B&W: \$2.35  
Jane, Bill and Fred analyze their own eating habits. Bill is a breakfast-misser; Jane's weakness is greasy foods; and Fred



eats more than his share of carbohydrates. As they learn more about diet, they recognize the importance of a balanced diet to weight, skin condition, and personality. The seven basic food groups are presented and illustrated.

### BALANCED AQUARIUM (EB)

p-i 11 minutes Color: \$3.40  
A couple decide to have an aquarium, but they plan to permit plants and fish to live as they would in a natural pond.

### BALANCING FORCES (UW)

p-i 14 minutes Color: \$4.70  
This film explains meaning of center of gravity and inertia, and how inertia and motion applied to whirling bodies determine balance and stability.

### BALI TODAY (EB)

i-j-h 11 minutes Color: \$3.40  
Against a background of Balinese music, the film portrays life on this tiny island in Indonesia. Emphasizes the role of the Brahmin religion in everyday life with scenes of the rice harvest, dance ceremonies, the flower offerings to the gods. Examples of weaving and mask-carving illustrate Balinese art.

### BALL HANDLING IN BASKETBALL (EB)

j-h 10 minutes B&W: \$2.15  
Illustrates approved methods of holding the ball, catching it, and passing it. Emphasizes importance of relaxation, rhythm, and balance; demonstrates correct stance, grip, fingertip control, one-handed pass, and hook pass. Utilizes slow-motion and stop-motion photography to facilitate detailed study.

### BALL HANDLING IN FOOTBALL (EB)

j-h 9 minutes B&W: \$2.15  
Analyzes receiver stance, position of hands, and importance of keeping eyes on the ball. Demonstrates correct fundamentals in catching a ball passed from center, catching punts and long passes, handling ball in elose and spinner plays, and shifting ball from side to side in running. Slow- and stop-motion photography aid in detailed study.

### BALLAD OF THE WEST (EB)

j-h-e-a 14 minutes B&W: \$3.40  
Based on western folk tunes, this film tells the story of a cowboy's longing to have his own herd and brand, and to be his own boss. Photographed against the magnificent background of Arizona's Castle Hot Springs, the story revolves around the popular ballad, *The Old Chisholm Trail*.

### BALLET BY DEGAS (BRF)

h-e-a 11 minutes Color: \$3.40  
Presents the paintings of Degas: "The Ballet Class," "Coryphee Resting," "Ballerina and Lady with Fan" from the Philadelphia Museum of Art; and "On Stage," "Dancers Practicing at the Bar," and "Pink and Green" from the Metropolitan Museum of Art.

### BALTIMORE PLAN (EB)

h-e-a 20 minutes B&W: \$4.15  
Skillfully documents a plan in which municipal agencies cooperated in a unified program for housing improvement. Reveals the success of this plan in Baltimore in raising the quality of housing to meet acceptable standards of health and sanitation.

### BAND TECHNIQUES: BAND ATTENTION (CFS)

j-h-e-a 10 minutes B&W: \$2.15  
Presents the initial rehearsal of a marching band season. One-fourth of the demonstration group are "new members"; the film, consequently, depicts problems faced by most directors at the beginning of a season. Rank, file, posture, and stride are stressed.

### BAND TECHNIQUES: BAND ON THE MARCH (CFS)

j-h-e-a 11 minutes B&W: \$2.15  
A sequel to "Band Attention," this film records step-by-step teaching techniques used in preparing a band for the season's first football game. It presents basic maneuvers, their logical developments, and their use in a short show routine. Alignment is emphasized, as well as uniformity of posture, stride, and hand swing.

### BAND TECHNIQUES: BATON DIRECTING (CFS)

j-h-e-a 11 minutes B&W: \$2.15  
Designed to help train student band conductors, this film seeks to clarify the meaning behind each of the conductor's gestures and each movement of his baton.

### BAND TECHNIQUES: BATON TWIRLING (CFS)

j-h-e-a 11 minutes B&W: \$2.15  
Mary Evelyn Thurman, champion twirler, baton exhibitionist, and well-known teacher, makes twirling look easy. All the standard contest rudiments are included, plus a special routine.

### BAND TECHNIQUES: DRUM MAJOR (CFS)

j-h-e-a 11 minutes B&W: \$2.15  
Wallace Pearson, often described as the "perfect drum major," illustrates fundamental signals and those employed for special maneuvers. Drum major of the Sexton High School Band, he is, perhaps, the most photographed student drum major in this country.

### BAND TECHNIQUES: MANEUVERS FOR FIELD AND STREET (CFS)

j-h-e-a 11 minutes B&W: \$2.15  
Presents new and novel marching maneuvers built upon the techniques explained in the three preceding films. Obliques, and short obliques, diminish files, telescope, single file reverse, odd files reverse, right flanks reverse, salute, bombshell and T formation.

### BAND TECHNIQUES: MILITARY MANEUVERS (CFS)

j-h-e-a 9 minutes B&W: \$2.15  
Regulation maneuvers and a variety of new and involved maneuvers—flank, diminish ranks, divided reverse, split fours, box counter march, box turn and variations. Included is a typical routine used at half time.

### BANDS OF THE U.S. ARMY (UW)

general 18 minutes B&W: \$3.50  
The story of the soldiers of music who make up the Army bands and carry on traditions which date back to the American Revolution. Shows the exacting training schedule that bandsmen must follow to become members of these vital morale-building contingents.

### BANFF AND LAKE LOUISE (NFBC)

j-h-e-a 14 minutes Color: \$2.15  
Shows the myriad attractions of one of the Canadian Rockies' famed resort areas—Banff National Park, with its luxurious Banff Springs Hotel and nearby Lake Louise, Emerald Lake, Moraine Lake and the Valley of the Ten Peaks.

### BANGKOK: OASIS ON A TROUBLED CONTINENT (McGH)

h-e-a 26 minutes B&W: \$5.15  
Shows scenes of the temples, the old Palace of Kings, the floating river market, the busy streets, the celebration of the Buddhist New Year and a Thai funeral. American executives living there are interviewed.

### BANK HOLIDAY CRISIS OF 1933, THE (YOU ARE THERE) (CBS)

j-h-e-a 27 minutes B&W: \$5.85  
March 6, 1933, provides a kaleidoscopic treatment of America during the week when all banks are closed by President Franklin Roosevelt in order to avert the panic that is sweeping the country. Includes the cause and effect of the Bank Holiday, Roosevelt's inauguration, and his first "Fireside Chat."

### BANKS AND CREDIT (C)

j-h-e-a 11 minutes B&W: \$2.15  
Using everyday situations, this film shows the importance of banks and credit in our economic life. We see how credit is created, transferred, how it serves everyone, and how deposits help supply the funds which enable the bank to fulfill its credit function.

### BANNISTER WINS THE MILE RUN (YOU ARE THERE) (CBS)

j-h-e-a 27 minutes B&W: \$5.65  
One of the feats that man had been striving for some years to accomplish occurred on August 7, 1954, at Vancouver, Canada. "The greatest mile ever run by man" is the contest between John Landy and Dr. Roger Bannister, who prove that the "four minute mile" can be run.

### BARBER OF SEVILLE (OF)

general 22 minutes B&W: \$4.15  
The comic opera by Rossini wherein the Count of Almaviva falls in love with the young and beautiful Rossina. Rossina, alas, is kept under the strictest observation by her old guardian,



Bartolo, who also is enamoured of her. The Count enlists the aid of one Figaro (the Barber of Seville) who is accomplished in nearly every trade known to man. Figaro's humorous machinations foil the designs of the old guardian and unite the two lovers. The story line is carried by a narrative background, and highlights of the music are sung by members of the La Scala Opera Company. In the role of the Barber is Tito Gobbi.

#### **BARBER OF SEVILLE (WOODY WOODPECKER) (UW)**

p-i 7 minutes B&W: \$1.70

The barber has gone to lunch when Woody wants a trimming. Woody decides to take over the shop and gives an Indian a hot towel surprise. The next customer is shorn, shaven, and shocked by Woody Woodpecker's wacky barbering.

#### **BARBERSHOP QUARTETTES (OF)**

j-h-c-a 10 minutes B&W: \$2.15

Enjoy an old-fashioned barbershop sing and join in on such songs as *While Strolling Thru the Park One Day*, *In the Shade of the Old Apple Tree*, *Cuddle Up a Little Closer*, *Silver Threads Among the Gold*, *In My Merry Oldsmobile*, and *After the Ball*.

#### **BARGAINING COLLECTIVELY (TFC)**

h-c-a 10 minutes B&W: \$1.90

Set in the period of the 1930's, this film presents arguments of labor and management for and against union recognition. Shows a committee of workers meeting with the plant directors to settle a strike. *Restricted to classroom use.*

#### **BASEBALL BY THE CODE (IHSA)**

general 27 minutes B&W: \$2.15

Portrays official rule interpretations; demonstration of game administration, by umpires from the major and minor leagues, high schools and colleges. Play situations, performed by skilled high school, college, and professional players, correct pitching procedure, interference and obstruction, live and dead ball, trap plays, infield fly, strike zone, appeal plays, spectator participation.

#### **BASEBALL FOR MILLIONS (IHSA)**

j-h-c-a 28 minutes B&W: \$2.15

A Big League Manager and an outstanding student of the game narrate play situations covering the official interpretation of basic rules of batting, pitching, base running and fielding. Recommended for use by officials, coaches, and players as well as fans.

#### **BASEBALL FUNDAMENTALS AND TECHNIQUES (I)**

j-h-a 45 minutes B&W: \$7.15

Produced for the New York Giants for use by their farm clubs. Features members of the Giant team demonstrating proper batting, running, fielding, and general major league baseball techniques at every position. Introduction by Leo Durocher and narrated by Russ Hodges.

#### **BASIC CAMERA, THE (FUNDAMENTALS OF PHOTOGRAPHY SERIES) (UW)**

h-c-a 15 minutes B&W: \$2.65

Presents a simple explanation of the still-picture camera, with emphasis upon its parts and their function and operation. A brief history of cameras is included.

#### **BASIC COURT PROCEDURES (C)**

j-h-c 15 minutes B&W: \$3.65

Here is an exciting story in which two high school students learn from a practicing lawyer the function of the courts and how our law operates. In the development of a criminal case many specialized legal terms are clearly defined and the audience sees the roles played by the various courtroom figures. The film teaches not only the function of courts, but also the place of the judicial system in a democracy.

#### **BASIC ELECTRICITY (UW)**

c-a 20 minutes Color: \$4.65

Explains voltage, current, resistance, and voltage drop; direct and alternating current; magnetic fields, induction, series and parallel circuits, etc.

#### **BASIC ELECTRONICS (UW)**

j-h-c-a 17 minutes Color: \$4.90

Explains atoms and electrons, the vacuum tube, cathode, rectifier tube, amplifier, grid, and bridge circuits.

#### **BASIC ELEMENTS OF PRODUCTION (EB)**

h-c-a 13 minutes B&W: \$3.45

Defines each of the four basic elements that enter into the production of goods and services: natural resources, labor, capital and management. Shows what each of these elements contributes to the production process. Stresses the necessity for efficient use of each element.

#### **BASIC FIBERS IN CLOTH (C)**

j-h-c 11 minutes B&W: \$2.15

Through this film, we can compare fibers and filaments for strength, length, absorptive power, elasticity, heat conductivity, cleanliness and washability. The relationship between these characteristics and each home use of cloth helps in judging basic cloth fibers.

#### **BASIC HYDRAULICS (CAA)**

h-c 9 minutes Color: \$2.15

Demonstrates and explains the physical laws, mechanical advantages, and application of basic hydraulics. The three basic units of a hydraulic system (pump, pipe, and cylinder) are illustrated.

#### **BASIC LEATHERCRAFT (SB)**

p-i 13 minutes Color: \$3.00

Shows a group of youngsters and their teacher making simple items in leathercraft.

#### **BASIC MOVEMENT (PMA)**

j-h-c-a 14 minutes Color: \$3.90

Peggy Lawler and Perry-Mansfield students demonstrate basic exercises intended to develop flexibility and improve the silhouette.

#### **BASIC NATURE OF SEXUAL REPRODUCTION (CONTINUITY OF LIFE SERIES) (IU)**

h-c-a 15 minutes Color: \$5.30

Uses cinephotomicrography to illustrate the processes of reproduction. Points out that although sexual reproduction may differ in plants and animals in specific detail, its basic features remain the same. Presents models of cells and chromosomes to demonstrate that through random assortment and chance union, sexual reproduction makes possible great variation which has benefited man and has insured the survival of many living things in a varied environment.

#### **BASIC T FORMATION (GF)**

h-c-a 11 minutes Color: \$3.40

Shows the ground attack of the Chicago Bears, Los Angeles Rams, and Chicago Cardinals.

#### **BASIC TECHNIQUE FOR HOME LANDSCAPING (USDA)**

h-c-a 12 minutes Color: \$2.15

Using animation, this how-to-do-it film shows that the house which pleases the eye of passers-by is the one that employs good landscaping. In the public area in front, symmetry and balance are desired. In the utility area in back, the play and garden spaces are located for convenience and need. The private, outdoor living area is planted with trees, shrubs, and flowers to conform with either a formal or informal setting. This film will appeal to home owners in all income brackets.

#### **BASIC TELEVISION SERIES: ANTENNA INSTALLATION (McGH)**

h-c-a 10 minutes B&W: \$2.15

Shows the characteristics of the basic dipole antenna and presents a step-by-step procedure of proper installation. Emphasizes the need to eliminate various impediments to good audio and video reception. Plots an antenna receiving pattern for channels and explains the basic shapes and causes of each.

#### **BASIC TELEVISION SERIES: DEFLECTION OUTPUT CIRCUITS (McGH)**

h-c-a 10 minutes B&W: \$2.15

An animated explanation of vertical and horizontal output circuits for magnetic deflection, starting with the vertical output stage as a typical deflection amplifier.

#### **BASIC TELEVISION SERIES: LOCALIZING TROUBLES (McGH)**

h-c-a 10 minutes B&W: \$2.15

Demonstrates how to localize troubles in the television by using the three indicators available in the receiver itself—raster, picture, and sound. The function of each receiver section is reviewed as a basis for explaining various trouble symptoms.



## **BASIC TELEVISION SERIES: PRACTICAL TELEVISION ALIGNMENT (McGH)**

**h-c-a** 14 minutes **B&W: \$2.15**  
Demonstrates how to use television alignment equipment to obtain the receiver's visual response curve on the oscilloscope screen. It shows test equipment for alignment and explains the function of each part. Correct techniques are presented by showing effects on the response curve of varying controls on the equipment.

## **BASIC TELEVISION SERIES: TELEVISION RECEIVERS (McGH)**

**h-c-a** 10 minutes **B&W: \$2.15**  
Identifies the sections of the receiver circuit and summarizes the functions of the receiver. Explains the specific functions of each section in a typical intercarrier sound receiver circuit, from the antenna and transmission line to the picture tube.

## **BASIC TELEVISION SERIES: TELEVISION SYSTEM (McGH)**

**h-c-a** 14 minutes **B&W: \$3.75**  
Explains the principles of television broadcasting from the camera tube in the studio to the picture tube in the receiver. Depicts the different forms of TV broadcasting, and illustrates how the image is made into picture elements for transmission and receiving. Shows with animated diagrams the functions of each component of the video signal and suggests how to get detail and contrast in picture quality.

## **BASIC TYPING—MACHINE METHODS (UW)**

**h-c** 28 minutes **B&W: \$3.65**  
Demonstrates the correct posture for typing and proper fingering of the keys; shows the use of the shift key, back spacer, tabulator, carriage return lever, etc. on both manual and electric machines; and discusses the function of various fixtures on the machines. Correct insertion of single sheets and a carbon pack is also demonstrated, together with the use of the paper release and carriage release levers.

## **BASIC TYPING—MACHINE OPERATION (UW)**

**h-c** 28 minutes **B&W: \$3.65**  
The principal parts of a typewriter are pointed out, and their function and use are discussed and demonstrated on different machines, together with the correct touch for noiseless, manual, and electric machines.

## **BASKETBALL: BASKETEERS (RKO)**

**j-h-c-a** 9 minutes **B&W: \$2.15**  
Claire Bee, and his Long Island University basketball team of 1943.

## **BASKETBALL: COURT CRAFT (RKO)**

**j-h-c-a** 9 minutes **B&W: \$2.15**  
Basketball techniques displayed by Utah's famous team of 1945.

## **BASKETBALL FOR BOYS: FUNDAMENTALS (BFS)**

**j-h** 10 minutes **B&W: \$2.35**  
In this demonstration of basic basketball skills each fundamental is carefully presented with important teaching points emphasized by slow-motion and repeat action. Because demonstrations by professional players are sometimes frustrating to boys who cannot imitate them, these demonstrators are selected students who are capable, and who will inspire your classes to equal or surpass them. The quantity of material covered provides the teacher with a comprehensive list of sound illustrations. Students will profit from additional viewings in addition to elaboration and emphasis by the instructor.

## **BASKETBALL FOR BOYS: TEAMPLAY (BFS)**

**j-h** 11 minutes **B&W: \$2.35**  
Fundamental units of basketball teamplay are presented in this film. Five-man offense starts with one- and two-man action and concludes with a set play based upon these actions. Defensive play progresses from the defensive triangle to full team co-operation. Animation, slow-motion, and stop and repeat action are used to aid the student. The fundamental units of play illustrated in this film will provide a sound basis for students to develop their own team play.

## **BASKETBALL FOR GIRLS: FUNDAMENTAL TECHNIQUES (C)**

**j-h-c** 10 minutes **B&W: \$2.15**  
Combining fast action and slow motion photography, skillful players, and sound basketball know-how, this film demonstrates fundamental techniques of ball handling, passing, and shooting. It emphasizes the value of practice and importance of individual skill to team success.

## **BASKETBALL FOR GIRLS: GAME PLAY (C)**

**j-h-c** 10 minutes **B&W: \$2.15**  
The finer points of the sport are demonstrated here. Individual player techniques in offense and defense are shown—pivoting, feinting, passing, screening, shooting, and handling rebounds. This film will heighten the interest and increase the skill of your students.

## **BASKETBALL FOR MILLIONS (IHSA)**

**j-h-c-a** 27 minutes **B&W: \$2.15**  
A fantastic dream sequence is the continuity thread used throughout the film to depict: accepted officiating procedures, problems created by double fouls and faults double fouls, tricky situations connected with front and back court, jump ball infractions and procedures, little understood distinction between player and team control, and a panorama of basic rule fundamentals.

## **BASKETBALL IS FUN (BFS)**

**j-j** 15 minutes **B&W: \$3.45**  
Designed to introduce basketball to beginning students in the upper elementary and junior high school grades. Using a playing situation, the elements of the game are presented simply, clearly, and in nontechnical language.

## **BASKETBALL STRATEGY FOR GIRLS (YA)**

**j-h-c** 10 minutes **B&W: \$2.15**  
Offensive play in basketball is given a concise explanation. It includes fakes, rolls, cutting, screening, and varying the pace. The final phase shifts to defense play, and concentrates on player to player, basic zone, shifting zone, triangle, and diagonal.

## **BASKETBALL TECHNIQUES FOR GIRLS (YA)**

**j-h-c** 10 minutes **B&W: \$2.15**  
Demonstration and explanation of the following basic skills: basic movement skills (running, starting, stopping, turning), passing (finger control, movement with the pass, leading the receiver, choice of the right pass), catching (slide pass, high pass), shooting (finger control, arm extension, wrist flip, choice of the right shot), dribbling, faking, and pivoting.

## **BATHING BABIES IN THREE CULTURES (NYU)**

**h-c-a** 11 minutes **B&W: \$2.15**  
Margaret Mead wrote and narrated this study. This film begins with a scene in the New Guinea culture; there the mothers are bathing their children in a nearby lake. In sharp contrast is a typical American home in the 1930's and then the 1940's. Last scene is in a mountain village in Bali.

## **BATHING BUDDIES (UW)**

**general** 7 minutes **B&W: \$1.15**  
Woody Woodpecker and Wally Walrus run through a riotous bathtub mix-up that keeps them both hopping.

## **BATHING THE BED PATIENT (UW)**

**c-a** 20 minutes **B&W: \$2.90**  
The procedure for making a neat bed with minimum of disturbance to the patient is shown. The proper method of washing the patient with as much comfort as possible is also demonstrated.

## **BATTERY ELECTRICITY (JUNIOR SCIENCE SERIES) (McGH)**

**j-h** 11 minutes **B&W: \$2.15**  
Explains what electricity is; how a voltaic cell works and how to make a homemade voltaic cell; and what a dry cell is and how it produces electricity. Demonstrates Galvan's experiment and a simple electrical meter that anyone can make.

## **BATTERY, IGNITION AND ELECTRICAL SYSTEM (UW)**

**h-c-a** 23 minutes **B&W: \$3.15**  
Basically designed for the auto mechanic, this film indicates how to check and service the battery, how to check the starting motor and generator, how to inspect low tension wiring, how to check the lighting circuits and electrical instruments, how to test the voltage and current regulator, and how to check and test the ignition system.

## **BATTING FUNDAMENTALS (C)**

**j-h-c** 10 minutes **B&W: \$2.15**  
The batter's average depends on how well he has mastered the fundamentals of selecting the right bat, using the correct grip, taking a proper stance, keeping his eye on the ball, using a level swing into the ball, and finishing with a



complete follow-through. These points and the exercises by which they are mastered are brought to light by top form professionals.

### BATTING STARS OF BASEBALL (ANL)

i-j-h-a 18 minutes B&W: \$3.15  
Covers the more important fundamentals of batting in slow motion by established major league stars.

### BATTLE, THE (TFC)

general 10 minutes B&W: \$1.65  
Made just a few months prior to Pearl Harbor, this film is of great historical interest because of the insight it gives into the type of war the Navy was planning for. This may be compared with the way the war actually came about. Gives an excellent picture of the tremendous amount of supplies and equipment needed for the fleet, and the cooperation necessary between the various fleet components in order to make operations successful. *Restricted to Classroom Use.*

### BATTLE FOR BREAD (McGH)

h-c-a 20 minutes B&W: \$2.75  
Somewhere, in every country in the world, people are hungry, and in some places they are actually starving. The problem of how to get food to these hungry people is the problem of the U.N. food and agriculture organization. Some areas produce more than they need, and the problem is one of distribution. Some devastated by war or hampered by overpopulation, must be given aid to increase production. Technical aid, equipment, breeding stock, etc., furnished by the F.A.C. are making a beginning toward reducing the ravages of hunger in all parts of the world.

### BATTLE FOR OIL (EFLA)

h-c-a 18 minutes B&W: \$2.90  
Based on captured German war films, Allied newsreels, and original documentary materials, this film expresses that oil is the most important natural resource in the war, that each day of warfare means vast consumption of oil products, that oil resources are being pooled among nations, that transportation is the most critical problem facing the Allied Nations, and that increased demand for oil is leading to the exploitation of new oil reservoirs.

### BATTLE OF BRITAIN (UW)

h-c-a 42 minutes B&W: \$6.15  
Documentary film record of the bombing of England by the German Luftwaffe in 1940, and of the defense by the Royal Air Force.

### BATTLE OF BRITAIN (AIR POWER SERIES) (CBS)

h-c-a 28 minutes B&W: \$5.65  
The story of the gallant defense of the British Isles by RAF fighter pilots in 1941, narrated by Michael Redgrave and featuring portions of recorded speeches by Sir Winston Churchill.

### BATTLE OF SUPPLY (McGH)

h-c-a 18 minutes B&W: \$3.65  
Treats the overall problem of naval supply, taking as an example one operation—the assembly and delivery of a standard landing craft repair unit.

### BATTLE OF THE BEETLES (UW)

j-h-c-a 18 minutes Color: \$4.15  
Documents the Engelmann spruce bark beetle control project in Western Colorado. Shows damage done by beetles and how agencies of the Department of Agriculture have been working to stop the spread of this insect infestation.

### BATTLE OF THE BUGS (MID)

j-h-c 11 minutes Color: \$3.60  
This film shows ways in which aphids, a destructive family of insects, are destroyed by their natural enemies. The natural enemies include the ladybug, the parasitic wasp, the syrphid fly and the green lacewing. The insect form larva and pupa play a major role in this film in the life cycle story.

### BATTLE OF YORKTOWN, THE (EB)

i-j-h 18 minutes Color: \$4.70  
Describes the events which led up to the decisive battle of the American Revolution at Yorktown, and shows the battle itself in colorful detail. The film shows Washington's skill as a leader and his tact in dealing with America's French allies, and indicates the importance of France in contributing to the American victory.

### BAUERNVOLK IN DEN BERGEN (CW)

j-h-c-a 11 minutes B&W: \$2.45  
A German language film describing the life, work and play in a typical Alpine village and farm. The narration is paced slowly and spoken clearly by a native German with frequent silences. The story is in the present tense with planned repetition of common words.

### BE CLEAN AND HEALTHY (LFI)

i 9 minutes B&W: \$2.15  
Contrasts healthy children at play with a sick child looking on. Stresses cleanliness of the body, the home, and the community.

### BEACH AND SEA ANIMALS (EB)

i-j-h-c-a 11 minutes B&W: \$2.15  
Among the animals brought to the screen are the starfish, sea-urchin, crab, cuttlefish, octopus, crayfish, lobster, shrimp, snail, scallop, and the sea cucumber. The physical structure and activities of these animals are presented in an intimate way. The balance in nature or interrelations of various animals is clearly illustrated, special emphasis being placed on their methods of protection.

### BEACH NUT (UW)

general 6 minutes B&W: \$1.15  
Wally Walrus and Woody Woodpecker romp through a series of events at the beach. Woody torments Wally into numerous acts to make this an amusing cartoon.

### BEAN STALK JACK (ICS)

p 11 minutes B&W: \$2.15  
Animated cartoon of the nursery rhyme.

### BEAR AND ITS RELATIVES (C)

p-i 17 minutes B&W: \$3.40  
Shows bears of all kinds plus Mei-Mei, the panda.

### BEAR AND THE HUNTER (EB)

i-j-h-a 11 minutes B&W: \$2.15  
This film shows the homes and hide-aways of the animals in spring. A little boy spies a large bear and runs to tell his father. The hunt is on! All through the day and long into the night the hunter and his faithful dog track the bear. Then danger strikes, and the bear turns and attacks the dog. Without a guide, the hunter becomes the hunted. He returns home. In the morning the forest is again calm.

### BEAR COUNTRY (WDP)

i-j-h-c-a 33 minutes one day, Color: \$10.15  
Depicts the yearly cycle of bears and other animals in beautiful color. Discusses in detail the location of these animals, survival in winter, spring, motherhood, and food. Shows the various species of bears and their habitats. Two days—\$15.15, one week—\$25.15.

### BEAT BALL (IU)

i-j 4 minutes B&W: \$1.65  
Shows and explains the diamond, the proper bases, and the types of balls that may be used. Pictures a simple way to divide the teams and to start a game. Shows how the batter throws and hits the ball, and also explains the rules and object of the game.

### BEATTY'S ANIMAL THRILLS (UW)

general 10 minutes B&W: \$1.65  
Clyde Beatty, acclaimed the greatest wild animal trainer, is shown in one of his thrilling performances. He defies the fang and claw of vicious lions and treacherous tigers all in one arena.

### BEAUTIFUL BANFF AND LAKE LOUISE (UW)

i-j-h-c-a 9 minutes B&W: \$1.70  
Alpine resorts in the Canadian Rockies are seen in this film including the famous Skyline Trail and other attractions for the summer visitor together with cold weather scenes of great winter sports.

### BEAVER, THE (EB)

p-i 11 minutes Color: \$3.40  
Shows activities of the beaver in its natural environment. Illustrates ways in which the beaver's teeth, feet, and tail help him in swimming, eating, felling trees, and repairing a broken dam. Reveals the construction of a beaver house, and stresses the importance of the animal as an agent of conservation and as a valuable fur bearer.



**BEAVER VALLEY (WDP)**

general 32 minutes one day, Color: \$10.15  
 A fascinating medley of animal life representing years of patient camera recording. Pictures animal life about a mountain stream and shows beavers building dams, the fun-loving otter, the prowling coyote, and other inhabitants of the woodlands. Points out the relationships of the animals to each other and emphasizes the importance of water to their continued well-being. Above rental is for one day's use. Two days \$15.15, one week \$25.15.

**BEEF CATTLE RESEARCH (THE SEARCH) (CBS)**

c-a 27 minutes B&W: \$5.65  
 Elimination of guesswork on the part of the cattle breeder as to the best quantity and quality of meat per animal is explained by the research done at the Texas Agricultural & Mechanical College.

**BEES AND THEIR HABITS (PHP)**

j-h-c-a 12 minutes Color: \$3.40  
 Shows the bee's importance to flowers and fruits through pollination. Also exemplifies the social habits of the honey-bee, the queen and her duties, the organization of the hive, pollen, water, nectar, wax, propolis, primogeniture, swarming, and the von Frisch experiments proving the color sense of the honeybee.

**BEETHOVEN AND HIS MUSIC (C)**

j-h-c 12 minutes B&W: \$2.65, Color: \$4.15  
 The music of Beethoven reflects the great social upheaval of the late eighteenth century, the composer's own unusual strength and genius, and the transition from the classical formality of Haydn and Mozart to a more romantic expression. The film develops the relationship between Beethoven's environment and his personal responses to it in terms of music.

**BEETLES (EB)**

i-j-h-c 11 minutes B&W: \$2.15  
 Life histories of the tiger, ladybird, and Japanese beetles. Pictures and narrative demonstrate how some beetles are beneficial while others are harmful to man.

**BEFORE THE ALARM (NBFU)**

j-h-c 9 minutes B&W: \$2.15  
 Shows fire-prevention experts working with public officials in a typical American community to safeguard lives and properties from destruction by fire.

**BEFORE THE BABY COMES (KB)**

h-c-a 10 minutes B&W: \$2.15  
 A guide to the expectant mother. The film shows the mother's first trip to the doctor and explains the value of an early physical examination. Correct clothes, dental care, proper foods, bathing and other practices for good health during the period of pregnancy are shown and explained.

**BEGINNING FRENCH: INTONATION (C)**

j-h 9 minutes B&W: \$2.15  
 Compares French and English intonation. Illustrates the characteristic pattern of French intonation in a number of everyday phrases and sentences, and shows some of the ways to acquire correct French intonation. Stresses the importance of practice in listening as well as in speaking.

**BEGINNING FRENCH CONVERSATION SERIES: L'ENTENTE CORDIALE (IFB)**

j-h-c 10 minutes B&W: \$2.15  
 The scene of this amusing sketch is set in a French grocer's store, and identification of objects together with the repetition of some useful phrases, makes this a very useful and enjoyable aid for the second semester student of French.

**BEGINNING FRENCH CONVERSATION SERIES: QUELLE CHANCE (IFB)**

j-h-c 10 minutes B&W: \$2.15  
 The scene is set in a sidewalk cafe of France. The plot and dialogue are arranged to give exercise in vocabulary and simple speech idioms. For the second and third semester French students.

**BEGINNING GOOD POSTURE HABITS (C)**

p 11 minutes B&W: \$2.25  
 Demonstrates good posture and how it affects body growth. Shows ways to help each other develop these good posture habits.

**BEGINNING MUSIC READING (BFS)**

c-a 11 minutes B&W: \$2.65  
 A demonstration of an elementary class learning to sing "Little Bird" and "The Mocking Bird" and read the songs' notations. Pupils play accompaniments on rhythm instruments, autoharp, and melody bells.

**BEGINNING OF PICTURE MAKING (CREATIVE HANDS SERIES) (IFB)**

i-j-h-c-a 6 minutes Color: \$2.40  
 Shows many examples of work produced by children, chiefly with tempera paint at the ages of three and five, when skills are not yet mastered but creativity is great; at six, when recognizable figures are introduced; and at seven in grade 2, when skills catch up with ideas.

**BEGINNING OR THE END (TFC)**

h-c-a 30 minutes B&W: \$4.65  
 A classroom version of MGM's feature picture, this film stars Tom Drake and Brian Donlevy in roles of importance that led to the first explosion of the atomic bomb. Opening scenes show some early experiments with nuclear reaction and security at Oak Ridge. Final phase revolves around the Los Alamos explosion, then shifts to the bombing run on Hiroshima. *Restricted to Classroom Use.*

**BEGINNING RESPONSIBILITY: BEING ON TIME (C)**

p-i 11 minutes B&W: \$2.25  
 Jimmy, who misses out on things because he is not on time, observes firemen and train engineers. Then he realizes how important it is to come when called and to be prompt. He learns that he can help himself by getting ready in advance and by estimating how long it takes to get things done.

**BEGINNING RESPONSIBILITY: BOOKS AND THEIR CARE (C)**

p 11 minutes B&W: \$2.35  
 Sue learns from her brother, Tommy, some of the important steps in the proper care of books. When Tommy gets his new book he is shown how it should be opened and handled, how to keep from soiling it, the proper kind of bookmark to use, where the book should be kept when not in use, and how it should be mended if damaged. Children will also learn with Tommy that books are something to appreciate and enjoy.

**BEGINNING RESPONSIBILITY: LUNCHROOM MANNERS (C)**

p 11 minutes B&W: \$2.35  
 Phil and the other children in Miss Brown's class are watching a puppet show, "Mr. Bungle Goes to Lunch." Although Mr. Bungle is funny, the children see he is clumsy and impolite, and know it wouldn't be much fun to eat with someone like him. When Phil goes to lunch, he remembers to look neat, to go to the end of the line, to chew his food slowly, to leave his place at the table clean, and to show good manners in order to make lunch pleasant for everyone.

**BEGINNING RESPONSIBILITY: OTHER PEOPLE'S THINGS (C)**

p 10 minutes B&W: \$2.25  
 Broken playground swings lead a primary-grade classroom into activities that illustrate the way in which public and private property, as well as articles that are borrowed or found, should be cared for.

**BEGINNING RESPONSIBILITY: TAKING CARE OF THINGS (C)**

p 10 minutes B&W: \$2.25  
 The need for a persuasive means of interesting children in the importance of taking care of their belongings. Explains how and why children should care for things at school and at home, stressing the importance of having definite places to keep things, putting articles back where they belong, cleaning up after playtime, and storing and handling things properly to prevent accidents or damage.

**BEGINNING SWIMMING (C)**

i-j-h 10 minutes B&W: \$2.25  
 Land and water drills—including kicking, breathing, floating, paddling, stroking and pulling with the arm—are practiced separately, then coordinated as the swimmer learns the American crawl. The back float, backstroke, and breast stroke are also explained.



**BEGINNING TENNIS (AAP)**

j-h-c-a 14 minutes B&amp;W: \$2.55

The purpose of this film is to demonstrate and analyze the correct body movements of tennis fundamentals. The film shows actual playing situations in which these fundamentals are emphasized, and also includes individual demonstration and analysis.

**BEGINNING TO DATE (EB)**

j-h 11 minutes B&amp;W: \$2.15

Shows high school boys and girls getting ready for and going on their first date. Includes such points as: the first approach in asking for a date, the good and poor points in phoning for a date, introductions to parents, conversation, etc.

**BEGINNING TUMBLING (C)**

j-h-c 9 minutes B&amp;W: \$2.15

Presents the two basic progressions in tumbling—the inverted balance and roll progressions. Accompanying demonstrations of flips, rolls, and stands (singly and in combination) emphasize skillful execution and give students the foundation for performing each stunt.

**BEGINNINGS AND GROWTH OF INDUSTRIAL AMERICA (C)**

j-h 11 minutes B&amp;W: \$2.35

Discusses economic and social changes in the period between the Revolutionary and Civil Wars. The film shows the development of American manufacturing from a system of home crafts to an industrialized factory system. Factors which contributed to industrial growth—inventions, investment, and labor—are explained. Film includes many actual, reconstructed, historic scenes, such as Hopewell Village and Slater's Mill.

**BEGINNINGS OF CONSCIENCE (McGH)**

h-c-a 18 minutes B&amp;W: \$3.65

Shows how conscience, which one gradually develops in childhood through experiences of force, exclusion, and ridicule, later functions almost automatically in adulthood.

**BEGINNINGS OF HISTORY (IFB)**

j-h-c-a 44 minutes B&amp;W: \$8.15

Forum edition—parts I, II, and III on one reel. The pre-history of Great Britain, from the ice age to the coming of the Romans. The underlying theme is the continuity of human life and culture, that the past is continuous with the present, and the events of thousands of years ago help to shape our own history and national characteristics.

**BEGINNINGS OF HISTORY I—STONE AGE (IFB)**

j-h-c-a 22 minutes B&amp;W: \$3.65

Describes man of the Old and New Stone ages in Britain as a hunter and a farmer respectively. Demonstrates the primitive construction of tools and early cultivation techniques. Animation shows the work of glacial movements in ancient Europe and the passage of agricultural techniques to Britain from the Near East. Displays stone and bone relics and contemporary scenes of caves, stone villages, and burial mounds.

**BEGINNINGS OF HISTORY II—BRONZE AGE (IFB)**

j-h-c-a 12 minutes B&amp;W: \$2.90

Describes the introduction of bronze into Britain through invasions. Demonstrates the preparation of molten metal and the use of moulds in making bronze utensils. Displays a variety of metal tools and ornaments, and describes through animation and regular photography the remains of stone temples.

**BEGINNINGS OF HISTORY III—IRON AGE (IFB)**

j-h-c-a 18 minutes B&amp;W: \$3.15

Describes the invasion by the Celts as giving birth to the Iron Age in Britain. Exemplifies their superiority as warriors and artists by showing their strategy in defending their villages and displaying decorated swords, shields, suits of armor, and helmets. Presents a life-sized reproduction of the wooden house of a farmer, and describes the quality of his home life. Observes that man, the mechanic, represents the modern age and that life today owes a great deal to our predecessors.

**BEGONE DULL CARE (NFBC)**

general 9 minutes Color: \$3.15

A visual interpretation of jazz music played by the Oscar Peterson Trio. Painted directly on film by Evelyn Lambart and Norman McLaren. On a sparkling screen of constantly changing color, restless lines take momentary shapes and are immediately catapulted into other forms by the hurrying jazz accompaniment. Occasionally the lines suggest recognizable objects—birds, stars, trees, houses, crackers—but in general the shapes are entirely abstract.

**BEHAVIOR IN ANIMALS AND PLANTS (C)**

j-h 10 minutes Color: \$3.40

At Bill's farm, we are introduced to four types of behavior in animals and plants. Developed from the simple to the complex, each type of behavior—tropism, reflex action, instinct, and intelligence—is defined and illustrated.

**BEHAVIOR OF LIGHT, THE (EB) (SILENT)**

j-h-c 15 minutes B&amp;W: \$1.65

Explains light transmission, shadows and eclipses and the formation of images in plane, convex and concave mirrors. Demonstrates the cause of refraction.

**BEHAVIOR PATTERNS AT ONE YEAR (CHILD DEVELOPMENT) (EB)**

c-a 10 minutes B&amp;W: \$2.15

Presents a series of test situations revealing normal behavior patterns for the infant at fifty-two weeks. Interprets reactions displayed when the infant manipulates one, two, three, and ten cubes. Other test situations involve a cup and spoon, a cup and cubes, a pellet and bottle, a ring and string, and a paper and crayon.

**BEHIND THE CRIMINAL (TFC)**

h-c-a 19 minutes B&amp;W: \$2.75

The criminal's lawyer is the man who stands behind him fixing witnesses, establishing alibis, and faking evidence. In this film we see how one of these lawyers is entangled in a web of his own greed. He is caught with the same methods he has often used in the past to free his clients. *Restricted to classroom use.*

**BEHIND THE SCENES AT THE AIRPORT (M)**

i-j 10 minutes B&amp;W: \$2.25

Modern airliners land and take off at our airports with such apparent ease that we get only a hint of the extensive organization necessary to efficient handling of passengers and aircraft. Film goes behind the fences and hangar doors marked "Employees only" to get some glimpses of this highly organized work.

**BEHIND THE SCENES AT THE SUPERMARKET (FA)**

p-i 10 minutes Color: \$3.60

Describes the behind-the-scenes activities involved in the operation of a large supermarket. It illustrates the many people and jobs necessary to help the supermarket serve the community.

**BEHIND THE SCENES OF WALT DISNEY'S STUDIO (WDP)**

general 26 minutes Color: \$9.15

A tour beyond the portals of Walt Disney's fascinating workshop under Robert Benchley's humorous guidance. Disney and his staff of creative artists show how they give life to the fabulous cartoon characters known and loved the world over.

**BEHIND THE SHOP DRAWING (JH)**

h-c 18 minutes B&amp;W: \$3.45

The method of making perspective drawing is shown step by step. Drawings of more complicated objects are explained as well as the dimension figures and lines. Scale drawings are also shown. The film ends with a section devoted to blueprints.

**BEING DIFFERENT (McGH)**

h-c 11 minutes B&amp;W: \$2.40

Provokes discussion as to what extent a person should conform to the group and to what extent he should pursue his own interest.

**BELGIUM (THIS WORLD OF OURS SERIES) (IFI)**

i-j-h 10 minutes Color: \$3.40

From a tiny country with a proud heritage and important historical significance, vignettes of Belgium today are surveyed by radiant color. The film dwells on highlights of the land, the people, industry, resources, and geography.

**BELGIUM AND THE NETHERLANDS: LANDS AND PEOPLES (C)**

i-j-h 10 minutes Color: \$3.40

In presenting an overview of the Netherlands and Belgium, their relationship to one another and their neighbors, and the major ways in which their economy is related to environment, the film shows how easy access to the North Sea and many waterways help to make Belgium and the Netherlands "the trading workshops of Europe." Other significant characteristics of these countries are shown in relation to the activities of the people.



**BELLS OF HOLLAND (FON)**

j-h-c-a 9 minutes B&amp;W: \$1.75

Shows the entire process of making bells from the drafting board to the finished product. Animated sequences give a comprehensive idea of the skill and time required to make a bell of true tone. The manufacturing of the set of bells installed in St. Martin's Church in New York City is featured.

**BELLUM PUNICUM SECUNDUM (LFI)**

h-c-a 10 minutes B&amp;W: \$1.90

Opens in Rome, following the defeat of Cannae, and shows the efforts of Scipio to obtain an expedition force to invade Africa and defeat the Carthaginians. Culminates with the Battle of Zuma in which Scipio opposed Hannibal. Latin dialogue.

**BELO HORIZONTE (UW)**

j-h-c-a 19 minutes B&amp;W: \$2.15

This is the story of Brazil's "planned city with a plan." Belo Horizonte, a city of over two hundred thousand inhabitants, is unique in that less than fifty years ago, before a single house or street was built, complete plans for its building were drawn up. Now it is one of the most progressive and modern cities in the world and is located in a section rich in mineral resources.

**BELONGING TO THE GROUP (EB)**

h-a 18 minutes B&amp;W: \$3.65

Examines the meaning of the idea of respect and explains its essential relation to living in a democracy. Dramatically illustrates the origin and development of some of the barriers to respect, and suggests ways and means by which such barriers can be avoided and done away with. Indicates how respect must be exchanged among all members of society.

**BEN FRANKLIN'S ALBANY PLAN (ACFC)**

j-h 9 minutes B&amp;W: \$2.15

A brief dramatization of the Albany Congress in 1754 and the proposals submitted by various representatives, including Benjamin Franklin's plan for unification of the colonies.

**BENARES, HINDU HEAVEN (TFC)**

j-h-c-a 8 minutes B&amp;W: \$1.65

Benares, a city located at the widest and deepest part of the sacred river Ganges, has a long tradition as a holy city. The ancient Aryans, ancestors of the white races, worshipped there many years ago. As the city grew, these ancient traditions became stronger, and now the Hindus hold it in reverence as a sacred place. We see the religious ablutions in the Ganges and the ceremonial cremation of a dead person. *Restricted to classroom use.*

**BENEATH OUR FEET (TFC)**

general 9 minutes B&amp;W: \$1.90

Glimpses of the insect world which exists in the grass. We see an ant drinking a dew drop, rival male crickets fighting, a cricket singing by moving its legs, a sand cricket struggling with a trap-door spider and then with a centipede, aphids being eaten by ladybird larvae, and bees on flowers. *Restricted to Classroom Use.*

**BENEATH THE SEA (TFC)**

general 8 minutes B&amp;W: \$2.15

Photographs of a variety of undersea life and a battle between an octopus and a shark. Animated diagrams and microphotography show the development of a fish from the embryo stage to maturation. *Restricted to Classroom Use.*

**BENEDICT ARNOLD'S PLOT AGAINST WEST POINT (YOU ARE THERE) (CBS)**

j-h-c-a 27 minutes B&amp;W: \$5.65

Reconstructs America's first major case of treason in the events of September 23, 1780, when a British Major, John Andre, was captured and the deadly plot of Benedict Arnold against the military institution was discovered.

**BENEFITS OF LOOKING AHEAD (C)**

j-h-c-a 9 minutes B&amp;W: \$2.15

Brings a sound understanding of the importance of thinking seriously about the future and doing something for it. By encouraging students to look ahead, the film helps them think constructively about immediate problems and work toward achieving their future goals. It explains that planning needs a long-range perspective divided into shorter-range objectives.

**BENJAMIN FRANKLIN (EB)**

i-j-h 17 minutes B&amp;W: \$4.15

Produced with Carl Van Doren as collaborator, the film portrays highlights in the rich, full life of Benjamin Franklin, statesman, man of letters, and scientist-inventor. Depicts early struggles as an apprentice, later successes as publisher and author, experiments in science, growing ability as statesman and diplomat, and experiences as American representative to England and France. Also dramatizes several historical events with which Franklin was closely associated.

**BERLIN AIR LIFT (TFC)**

h-c-a 20 minutes B&amp;W: \$3.15

Follows the crew of one of the planes of the U.S. Air Force as they fly the narrow international air corridor from Frankfurt to Berlin to bring food, coal, and medical supplies to Berlin during the blockade by the Russians. *Restricted to Classroom Use.*

**BERLIN AIRLIFT, THE (YOU ARE THERE) (CBS)**

j-h-c-a 28 minutes B&amp;W: \$5.65

The airlift that saved the lives of many German people was accomplished by the combined efforts of the Allied powers. "Operation Vittles" was executed to defeat the Russian blockade of West Berlin. Through all types of weather, the planes flew, bringing food and other essential supplies to these helpless people.

**BERLIN: OUT-POST OF FREEDOM (ALE)**

h-c-a 20 minutes Color: \$6.15

A documentary on modern Berlin, with historical coverage since 1945, showing the war's destruction, the division of the city, and the remarkable reconstruction of West Berlin as compared with the recovery of East Berlin.

**BERLIN POWDERKEG (RKO)**

h-e-a 17 minutes B&amp;W: \$3.15

Documents the conditions in Berlin during the Russian blockade which made the "airlift" necessary.

**BERMUDA HOLIDAY (UW)**

e-a 10 minutes B&amp;W: \$1.70

Depicts the attractions of the British island of Bermuda as a tourist resort showing facilities for sports, beaches, flora and fauna, hotels and guest homes.

**BERTRAND RUSSELL (WISDOM SERIES) (EB)**

j-h 28 minutes B&amp;W: \$6.15

The world's most noted living philosopher, mathematician, and winner of the 1950 Nobel Prize for literature talks about his "eighty years of changing beliefs and unchanging hopes." He tells what he feels he has learned and not learned in his long, distinguished career, and he discusses the present needs of the world and his hopes for the future.

**BERTRAND RUSSELL DISCUSSES HAPPINESS (C)**

e-a 14 minutes B&amp;W: \$3.15

After asserting that luck plays a major role in the possession of happiness, Russell suggests that its most important ingredients are: health, freedom from want, good relations with others, and successful work. Successful accomplishment of anything in which a person excels, Russell believes, can contribute more to happiness than any other single thing. He indicates that the impediments to happiness—envy, worry, and boredom, can be avoided by developing impersonal interests which take people outside of themselves and into the lives of others.

**BERTRAND RUSSELL DISCUSSES MANKIND'S FUTURE (C)**

c-a 14 minutes B&amp;W: \$3.15

Lord Russell is sometimes pessimistic, sometimes hopeful about the future. He believes that if mankind is not wiped out in a nuclear war, bureaucratic power, allied with advanced scientific techniques, may be able to regiment him completely and control his hopes, fears, education and even his offspring. He believes that it is within man's grasp to establish a society in which common interests outweigh men's differences.

**BERTRAND RUSSELL DISCUSSES PHILOSOPHY (C)**

c-a 14 minutes B&amp;W: \$3.15

"Science is what we know; philosophy is what we don't know," is how Lord Russell distinguishes these two branches of learning. Philosophy is systematized speculation about matters where exact knowledge is not yet possible. Lord Russell describes his own philosophy—logical atomism.



**BERTRAND RUSSELL DISCUSSES POWER (C)**

**h-c-a** 13½ minutes **B&W: \$3.15**  
 Power is classified as direct power over the body (the power of armies and police forces); the power of regard and punishment (the economic power); and the power to persuade (propaganda power). Lord Russell discusses each and suggests ways of curbing them.

**BERTRAND RUSSELL DISCUSSES THE ROLE OF THE INDIVIDUAL (C)**

**c-a** 14 minutes **B&W: \$3.15**  
 Lord Russell indicates that many of the important, useful activities which were formerly performed by individuals have now been taken over by organizations, largely because of the increased complexity of the world in which we live. This has had the effect, he states, of subordinating creative impulses and of stifling such people as poets, scientists, painters and architects. Lord Russell grants that public opposition to the work of highly individualistic people is a consequence of the fear of newness.

**BETTER BASKETBALL (IHSA)**

**j-h-c-a** 28 minutes **B&W: \$2.15**  
 By showing the differences between the type of basketball played during Grandfather's day and that of today, the evolution of the game is shown, as well as a comprehensive treatment of the rules and some good sequences of plays. Such other phases of the game are shown as personal and technical fouls, officiating, and dribbling.

**BETTER BULLETIN BOARDS (IU)**

**c-a** 11 minutes **Color: \$3.40**  
 Shows materials from which bulletin boards can be constructed. Pupil participation in planning and use. Discusses placement, size, design, materials, mounting devices and lettering.

**BETTER CHOICE OF WORDS (C)**

**j-h** 10 minutes **B&W: \$2.25**  
 A high school girl is introduced to the principles which lead to effective choice of words. She gains increasing proficiency in communication by broadening her vocabulary, by keeping in mind a clear picture of what she wants to say, and by choosing her words for her listeners.

**BETTER FARMING WITH SILOS AND SILAGE (PCA)**

**h-c-a** 15 minutes **Color: N.C.**  
 The major advantages secured from silage, and the many methods of making silage are suggested in this constructive farming problem. It explains the construction method of erecting a concrete stave silo, and the process of stave manufacturing. As an added part, cast-in-place silo construction is mentioned to round out the demonstration.

**BETTER FOOTBALL (IHSA)**

**j-c-h-a** 28 minutes **B&W: \$2.15**  
 After the Whiz Kids, a high school football team, lose a game primarily because of penalties, the coach spends a week drilling them in the rules of the game. Describes the function of the uniform and shows how a team can lose a chance for championship because one member forgets the rules.

**BETTER LIVING THROUGH RESEARCH (USDA)**

**h-c-a** 21 minutes **Color: \$2.15**  
 Shows examples of the research work of the Department of Agriculture in the fields of food and nutrition, textiles and clothing, housing and household equipment, and family economics. Visits the research laboratories of the Institute of Home Economics at Beltsville, Maryland, and demonstrates some of the tools, equipment, and methods used. Formerly called Research for Better Living.

**BETTER READING (EB)**

**j-h** 13 minutes **B&W: \$2.15, Color: \$3.40**  
 Clearly reveals the problems confronting the slow reader and suggests ways in which they can be met and solved. Tells the story of an intelligent high school boy whose work suffers from his slow reading habits. Portrays the methods used by a reading clinic in helping him to increase his reading speed, understanding, and his vocabulary.

**BETTER SEEDS FOR BETTER GRASSLANDS (USDA)**

**j-h-c-a** 33 minutes **Color: \$2.15**  
 Shows how our grasslands can provide a better living standard for our people now and in the future. Emphasizes the importance of improved varieties of legume and grass seeds and proper management in the improvement of grasslands.

**BETTER USE OF LEISURE TIME (C)**

**j-h-c-a** 10 minutes **B&W: \$2.15**  
 There are many leisure time activities open to young people that are both interesting and educational. This film serves as a helpful guide in developing a constructive attitude about leisure time. It shows how time can be used effectively through a self-planned program of leisure time activities.

**BETWEEN THE TIDES (COFI)**

**i-j-h-c** 22 minutes **Color: \$6.15**  
 The camera reveals some of the interesting animal and plant life which can be found in rock-pools and shallow waters—among the breeding grounds of Britain's seabirds. Although not always visible to the naked eye, the color camera explores the rich natural life of Britain's coastal areas, bringing a wealth of pictorial information to life.

**BEVEL PROTRACTOR, THE (USOE)**

**h-c** 15 minutes **B&W: \$2.85**  
 Shows the principles of the vernier bevel protractor; how to set and read it; and how to use the protractor to lay out angular work and to check angles.

**BEVELING, MITERING, RABBETING, AND DADOING (UW)**

**h-c-a** 19 minutes **B&W: \$2.90**  
 Shows how to cut a bevel with tilted fence; how to set a miter gage; how to use a stop-block in mitering; how to set the fence and blade for cutting rabbets; and how to install and use a dado head.

**BEVELING, STOP CHAMFERING, AND TAPERING SQUARE STOCK (UW)**

**h-c-a** 20 minutes **B&W: \$2.90**  
 This film shows how to set fence for bevel cutting, how to adjust the proper amount of cut, how to cut chamfer, how to set the infeed and outfeed tables and stop-blocks, how to cut tapers, and how to observe all safety precautions.

**BEWARE—SNAKES (LFI)**

**general** 11 minutes **B&W: \$2.00**  
 Avoid places where snakes might be hiding (old logs, etc.). Shows life cycle of a snake, hibernation, shedding of skin, etc. Also shows first aid for snake bite and the making of antitoxin.

**BEYOND OUR HORIZON (UW)**

**h-c-a** 42 minutes **B&W: \$5.15**  
 Set in a village in Norway, this film presents the family life of a pastor beloved of his people, his simple faith in God through prayer, and his belief in God's power of healing a dying child when the doctor has given up all hope. When his wife has an accident and is told it is doubtful whether she will walk again, he vows to pray for her recovery.

**BEYOND OUR SOLAR SYSTEM (C)**

**i-j** 11 minutes **B&W: \$2.35**  
 Telescopic photographs taken at Mount Wilson and Yerkes Observatories and explanatory artwork help us to understand basic concepts about stars, nebulae, major constellations, and galaxies beyond our own Milky Way. Presents a clear, visual impression of the physical characteristics of these bodies and of their great distance from the earth and from each other.

**BEYOND TEACHING (UI)**

**h-c-a** 28 minutes **Color: N.C.**  
 University of Illinois research activities are the subject of this film. It gets its title from the thought that while many people know of the University's great work in education, some do not realize its many other accomplishments, especially in research which seeks new facts for the benefit of the world. The movie covers activities from the Dixon Springs Agricultural Experiment Station in Southern Illinois to the health sciences professional campus in Chicago—in agriculture, engineering, physics, chemistry, medicine, and many other areas.

**BEYOND URANIUM (THE ELEMENTS SERIES) (IU)**

**h-c-a** 28 minutes **B&W: \$5.65**  
 Outlines the discovery of the first six elements beyond uranium. Describes the discovery of neptunium and demonstrates the significant experiment showing that plutonium undergoes fission with slow neutrons. Discusses the modification of the Periodic Table resulting from the discovery of these new elements. Indicates the importance of some of the new elements by demonstrating a chain reaction and explaining the operation of an atomic power plant.



**BICYCLE INDUSTRY IN JAPAN (MITJ)**

h-c-a 30 minutes B&W: \$2.15  
Shows the manufacture and assembly of various parts of the bicycle—a mode of transportation used extensively in Japan. Pictures various sections of Japan and the ways bicycles are used.

**BICYCLE SAFETY (YA)**

i-j 9 minutes B&W: \$2.15  
Points out that bicycling is fun, but that it entails certain responsibilities on the part of the bicyclist: to maintain the bike in good mechanical condition, to obey traffic rules, and to help guard the safety of others. Illustrates how a proper mechanical inspection of the bike is carried out and what important accessories it should have. Demonstrates rules of the road and safety practice.

**BICYCLE SAFETY SKILLS (C)**

p-i-j 11 minutes B&W: \$2.25  
Cliff, whose mastery of safety skills earns him an operator's license, shows his brother the performance techniques, traffic rules and procedures, and bicycle inspection practices that make safe cyclists today and good motorists tomorrow.

**BIG ANIMALS OF AFRICA (EB)**

p-i 10 minutes Color: \$3.40  
Pictures many of the larger animals of Africa, explaining how they live together. Shows interesting examples of protective coloring. Included are the zebra, giraffe, wildebeest, lion, elephant, rhinoceros, hippopotamus, ostrich, flamingo, and many others.

**BIG BAD WOLF, THE (UW)**

p-i 8 minutes Color: \$2.55  
The big bad wolf kidnaps a lamb, but Little Boy Blue and Bo Peep come to the rescue. There are no lamb chops for the wolf as a hornet speeds his downfall.

**BIG CITY—1980 (CAL)**

h-c-a 54 minutes B&W: \$10.15  
A scientific look into the future of man's population centers. Several M.I.T. experts discuss the plight and prospects of city planning. Architectural models are ultra-modern Brazilia, and Philadelphia, which is undergoing a revitalization program.

**BIG COUNTRY, BIG FISH (NFBC)**

h-c-a 13 minutes Color: \$2.15  
This film, in full color, shows the fishing and the scenery in God's lake country of northern Manitoba in Canada. Catches include trout, pike, pickerel, and walleye.

**BIG DITCH OF PANAMA, THE (TFC)**

j-h-c-a 6 minutes B&W: \$2.15  
A journey from the Atlantic to the Pacific; with scenes of the actual construction of the Canal, incorporating an historic sequence of Theodore Roosevelt at the opening ceremonies. *Restricted to classroom use.*

**BIG ENTERPRISE AND COMPETITIVE SYSTEMS (EB)**

h-c-a 40 minutes Color: \$10.15  
Film presents detailed report of research into the growth of big business and its impact on our national economy through the use of charts and graphic materials. Narration deals with different phases of big business and competition.

**BIG GAME HUNT (UW)**

p-i 6 minutes B&W: \$1.20  
In Africa Al Falfa is captured by cannibals, but a lion breaks up the feast. Al fools the lion, and the comedy ends in a friendly diet.

**BIG HARVEST (STORY OF AGRICULTURE) (EB)**

j-h 20 minutes B&W: \$3.65  
The theme of this film is the contribution that the farmer has made to the development of America. Through the farmer's ability to increase his production, to use the aids which science and industry have made available to him, and to carry out a program of conservation, America has prospered.

**BIG LAND ANIMALS OF NORTH AMERICA (EB)**

p-i 11 minutes Color: \$3.40  
Identifies several large wild animals such as the moose, elk, bison, bear, and deer and calls attention to their distinguishing characteristics. Describes their relationships to each other and to their environment.

**BIG LEAGUE BASEBALL (BFS)**

general 9 minutes B&W: \$2.15  
This film stresses the need for teamwork and perfect coordination in baseball. Some of the outstanding stars of yesterday, including Gabby Hartnett, Dizzy Dean, Carl Hubble, and Bill Lee, are shown as they performed in their respective positions.

**BIG PARTY (McGH)**

j-h-c-a 19 minutes B&W: \$3.75  
Shows the months of preparation for the New Orleans' Mardi Gras.

**BIG SUN AND OUR EARTH, THE (C)**

p 10 minutes Color: \$3.40  
Jimmy learns basic concepts about the sun and its effect on the earth. Through the day, he observes the changing length of shadows, how flowers respond to sunlight, why we have day and night, and how the sun heats and lights our world. Through many experiences, he learns that the big sun, though far away, is very important to us.

**BIG TEN FOOTBALL HIGHLIGHTS OF 1952 (UI)**

general 31 minutes B&W: N.C.  
Highlights of the Big Ten football season during 1952.

**BIG TRAINS ROLLING (AAR)**

i-j 28 minutes Color: \$2.15  
Shows a little boy and girl taking an overnight train trip. Emphasizes the railroads' service to agriculture, commerce, industry, and the general public.

**BIG WHITE WATER (NFBC)**

j-h-c-a 9 minutes Color: \$2.15  
Explores the scenic turbulence of the Manouane River. We see a group of fishermen who navigate it in canoes, racing through churning rapids and slanting falls—a perilous venture were it not for the Indian guides who handle their craft with easy confidence. Land-locked salmon spawn in these waters and the fishermen are rewarded for their daring with good catches of fish.

**BIG WIDE HIGHWAY, THE (C)**

p-i 11 minutes Color: \$3.40  
From the cab of his father's truck, Sammy learns the value of America's overland arteries. He observes the variety of cars and trucks using the highway, and becomes aware of the need for an observance of highway safety rules.

**BILL GARMON, 12-YEAR-OLD BUSINESSMAN (F)**

i-j 11 minutes Color: \$3.15  
Bill is an American boy who likes to be independent and earn his own money. He raises rabbits and a few hogs, takes care of them, and plans how he will sell them. He keeps accounts and figures how he will invest his profits. Shows relationship of a boy with persons outside his family.

**BILL OF RIGHTS, THE (TFC)**

i-j-h-e 17 minutes Color: \$5.15  
Shows the opposition in parliament to the policies of George III with respect to the colonies in America and the indignation of the colonists over the dissolution of the Virginia House of Burgesses. Concludes with the struggle for the incorporation of the Bill of Rights, adapted in part from the Fairfax Resolves, as the first ten amendments to the Constitution. *Restricted to classroom use.*

**BILL OF RIGHTS OF THE UNITED STATES, THE (EB)**

j-h-a 20 minutes B&W: \$4.55, Color: \$6.65  
Relates the story of the long struggle for human freedom which led to the creation of the Bill of Rights. Traces in detail the steps by which the first ten amendments to the Constitution came to be written, embodying the specific guarantees which men cherish as vital safeguards of personal freedom.

**BILL'S BETTER BREAKFAST PUPPET SHOW (CI)**

p-i 14 minutes Color: \$4.15  
Third grade children carry out a health project to learn the foods essential to a good breakfast. This is a live puppet show seen in New York City public schools.

**BILLY AND NANNY—TWIN GOATS (EB)**

p 9 minutes B&W: \$2.15  
Depicts the domestic life of a herd of goats on a farm. The feeding, milking, and care of mature goats are shown. Two baby goats are depicted in characteristic activities. A billy goat pulls the farmer's boy in his miniature wagon to deliver milk.



**BILLY GOAT WHISKERS (UW)**

p-i 7 minutes B&W: \$1.20  
A goat annoys Farmer Al Falfa by always butting in. Al fixes him by putting roller skates on Billy, the goat. The goat starts for Al but misses his target and cannot stop rolling. Al roars with laughter and is glad to lose his goat.

**BILLY, THE BUFFALO BABY (F)**

p-i 11 minutes Color: \$3.20  
Shows both the historical role of the buffalo, its part in the lives of the American Indians, and the upbringing of two baby buffalo, Billy and April, in one of the largest herds in existence.

**BILLY'S USEFUL INSECTS (TOM)**

p-i-j 10 minutes B&W: \$2.15  
Billy goes on a field trip and catches various insects which he discovers to be useful to man because they kill destructive aphids and harmful mosquito larvae. Shows the insects—dragon flies, lady bugs, praying mantis, golden-eyed green lacewing—in their natural habitats and then in Billy's terrarium which he has built to house them. When he discovers their usefulness to man, Billy takes them back to their natural homes.

**BIOGRAPHY OF A FISH (SF)**

j-h-c-a 11 minutes B&W: \$1.90  
Shows the life cycle of the stickleback, a group of small fishes which inhabit the fresh and brackish waters and coasts of Europe, North America and northern Asia. The male is shown building and guarding the nest, and fertilizing the eggs.

**BIOGRAPHY OF THE MOTION PICTURE CAMERA, THE (AFF)**

h-c-a 20 minutes B&W: \$3.15  
Traces the early development of the motion picture camera. First efforts by Dr. Marey of France and Edward Muybridge of the United States came as the result of curiosity about the movements of animals and human beings. Out of subsequent developments of Thomas Edison and Louise Lumiere came the motion picture camera and projector.

**BIOGRAPHY OF THE UNBORN (EB)**

h-c-a 15 minutes B&W: \$3.65  
Traces the creation of life from the moment of fertilization to the moment when the infant begins independent life. In photomicrography, animation, live photography, and X-rays, the film records the development of the embryo and the fetus in the mother's womb.

**BIOLOGICAL SCIENCES SERIES: CELL BIOLOGY—THE WORLD OF LIFE (McGH)**

h-c-a 27 minutes each Color: \$8.30  
This film serves to introduce the concept of this series of biology films and is particularly suitable to develop a general overview of the content of the film series.

**BIOLOGICAL SCIENCES SERIES: CELL BIOLOGY—UNIT OF LIFE (McGH)**

h-c-a 27 minutes Color: \$8.30  
H. Burr Roney discusses the problems of what an organism is. By using models and microphotography, he discusses responsiveness, movement, growth, metabolism, reproduction and general facts about cells. He defines morphology, physiology, cytoplasm, and unicellular organisms. Concepts are vividly and clearly presented.

**BIOLOGICAL SCIENCES SERIES: CELL BIOLOGY—WHAT IS A CELL (McGH)**

h-c-a 27 minutes Color: \$8.30  
Continuing his study of biology, H. Burr Roney does superb teaching. By using models of cells, he defines cell organelle, plasma membrane, nucleus, cytoplasm, chromosomes, nucleoprotein, nucleolus, mitochondrion, vacuole, vacuole membrane, golgi substance and other parts of a cell. The film clearly shows by use of diagrams the difference between typical animal cells and the typical plant cell.

**BIOLOGICAL SCIENCES SERIES: CELL BIOLOGY—CELL'S CHEMICAL ORGANIZATION (McGH)**

h-c-a 27 minutes Color: \$8.30  
Using models, diagrams, and charts, H. Burr Roney continues his teaching on the topic of cell biology. He discusses energy changes. Analysis is given to the raw material intake of cells, secretion output, and chemical composition. He clearly de-

fines elements, molecules, electrons, combining bonds, potential chemical energy, hydrogen ion, hydroxyl ion, sodium ion, ionization, and the chemical composition of sugars, starches, fats, and protein.

**BIOLOGICAL SCIENCES SERIES: CELL BIOLOGY—CELL RESPIRATION (McGH)**

h-c-a 27 minutes Color: \$8.30  
Analyzing the topic of cell respiration, H. Burr Roney uses an experiment with a fungus. Synthesis, respiration, heterotrophic nutrition, chemical change in metabolism, and enzymes are discussed.

**BIOLOGICAL SCIENCES SERIES: CELL BIOLOGY—PATTERNS OF ENERGY TRANSFER (McGH)**

h-c-a 27 minutes Color: \$8.30  
Using a wide selection of models and other visual aids, H. Burr Roney analyzes and describes the process of energy release, auto-trophic nutrition, photosynthesis, and the light reaction. The formation of carbohydrates is carefully investigated.

**BIOLOGICAL SCIENCES SERIES: CELL BIOLOGY—TRANSFER OF MATERIALS (McGH)**

h-c-a 27 minutes Color: \$8.30  
H. Burr Roney continues his series of lectures by discussing cell membranes. Characteristics of a membrane are clearly and concisely explained. Sol, gel, and colloids are defined.

**BIOLOGICAL SCIENCES SERIES: CELL BIOLOGY—GROWTH AND REPLACEMENT (McGH)**

h-c-a 27 minutes Color: \$8.30  
By using time-lapse photography in his lectures, H. Burr Roney explains plant life span. Animal growth is also discussed. He precisely states the meaning of growth. As an example of growth, the amoeba is studied. Problems of growth and enzyme regulation are analyzed.

**BIOLOGICAL SCIENCES SERIES: CELL BIOLOGY—RESPONSIVENESS (McGH)**

h-c-a 27 minutes Color: \$8.30  
In his own analytical way, H. Burr Roney shows that one of the main ways to distinguish non-living things from living things is responsiveness. One-celled animals and their responsiveness to changing surroundings is shown by microphotography. Stimulus, adjustment, counteraction, and avoiding are described.

**BIOLOGICAL SCIENCES SERIES: CELL BIOLOGY—REGULATION AND CONTROL (McGH)**

h-c-a 27 minutes Color: \$8.30  
By microphotography, parts of the cell are clearly indicated by H. Burr Roney. The acetabularia is used to illustrate relationship between cytoplasm and nucleus. Complexity of molecular structure in cells is shown. Definition is given to instruction code, DNA, RNA, tissue culture, and chromosomes.

**BIOLOGICAL SCIENCES SERIES: CELL BIOLOGY—CELL REPRODUCTION (McGH)**

h-c-a 27 minutes Color: \$8.30  
The cell principle and principle of biogenesis are precisely defined by H. Burr Roney. Organisms show continuity, heredity, variation, and evolution. A brief history of the study of biogenesis is also included. The process of mitosis, including prophase, metaphase, anaphase, and telophase stages, is clarified. A detailed study is given to the cell during mitosis and also to the chromosomes.

**BIOLOGICAL SCIENCES SERIES: CELL BIOLOGY—FROM ATOMS TO ORGANISMS (McGH)**

h-c-a 27 minutes Color: \$8.30  
Using a chart, H. Burr Roney shows the details of levels of organization by discussing atoms, molecules, macro-molecules, virus, one-celled organisms, organelles, chromosomes, cytoplasm, many-celled organisms, colonies of organisms, populations, and communities.

**BIOLOGICAL SCIENCES SERIES: MICROBIOLOGY—THE VERY SMALL (McGH)**

h-c-a 27 minutes Color: \$8.30  
Dr. H. Burr Roney teaches this series of films on microbiology. With the help of many excellent models, charts, and film clips, Dr. Roney introduces us to the world of microscopic animals. The use of microscopes, electronic microscope and microphotography gives us a wonderful insight into the life and activities of these small organisms. The work of early pioneers in the field of microbiology is discussed.



## **BIOLOGICAL SCIENCES SERIES: MICROBIOLOGY— AMEBOID ORGANISMS (McGH)**

h-c-a 27 minutes Color: \$8.30  
Dr. Roney discusses Ameboid organisms and the study of Amoebas such as the Foraminifera and the Radiocritia. Dr. John T. Bonner of Harvard University then presents an interesting discussion on characteristics and system of reproduction in the slime mold. A challenge to the youth of today is presented in the conclusion of the film, illustrating the vast amount of work there is yet to be done in the field of microbiology.

## **BIOLOGICAL SCIENCES SERIES: MICROBIOLOGY— COMPLEX MICROORGANISMS (McGH)**

h-c-a 27 minutes Color: \$8.30  
In this film the subject of duplication of parts is discussed in relation to a modification to environmental conditions in microorganisms. It is shown how these tiny organisms adapt to a degree to existing conditions in order to better survive. Specialization, for example in the flagellates in termites, illustrates the complexity and usefulness of microorganisms.

## **BIOLOGICAL SCIENCES SERIES: MICROBIOLOGY— RESPONSES IN MOTILE FORMS (McGH)**

h-c-a 27 minutes Color: \$8.30  
The digestion system is studied in the Paramecium. Dr. Roney discusses the senses, and process of reproduction in microorganisms, using excellent graphs, charts and micro-photography.

## **BIOLOGICAL SCIENCES SERIES: MICROBIOLOGY— MICROORGANISMS WITH CHLOROPHYLL (McGH)**

h-c-a 27 minutes Color: \$8.30  
Dr. H. Burr Roney continues his lectures on microbiology with a discussion of autotrophic or self-nourished microorganisms. Sexual and asexual reproduction of the species was explained. The life cycle of the Spirogyra (algae) is depicted.

## **BIOLOGICAL SCIENCES SERIES: MICROBIOLOGY— FUNGI (McGH)**

h-e-a 27 minutes Color: \$8.30  
Colorless fungi, or organisms without color or Chlorophyll, was discussed in this film along with the role of their feeding habits. Fungi are classed into two feeding types: other nourished or Saprophytic—which means they absorb foods; and the Parasites. Their role in the life cycle is one of decay and decomposition. Fermentation of certain foods and liquids, caused by these organisms, provides food and drink for us. Molds and spoilage are discussed.

## **BIOLOGICAL SCIENCES SERIES: MICROBIOLOGY— BACTERIA (McGH)**

h-c-a 27 minutes Color: \$8.30  
Dr. Roney discusses the size and volume of bacteria about us as well as in space. The principal advantage of bacteria, their decaying action, is discussed in relation to its benefits to man. Bacteria are not only found all around us and in space, but also in great numbers and varieties in the ocean. Early pioneers in microbiology and their methods of study are discussed.

## **BIOLOGICAL SCIENCES SERIES: MICROBIOLOGY— VIRUSES (McGH)**

h-c-a 27 minutes Color: \$8.30  
Probably the most fascinating and the tiniest of all microorganisms is the virus. Dr. Roney introduces Dr. Dean Frazier of Indiana University who discusses the problems that confronted early searchers of virus and pioneers in the field of preventive diagnosis of virus caused diseases. Process of crystalization helped to isolate and finally find the tiny organisms.

## **BIOLOGICAL SCIENCES SERIES: MICROBIOLOGY— REPRODUCTION (McGH)**

h-c-a 27 minutes Color: \$8.30  
Three methods of reproduction in microorganisms are discussed by Dr. Roney: Fission, Budding, Mitosis. Dr. Roney demonstrates methods of sexual and asexual reproduction and illustrates how asexual reproduction produces variety in microorganisms.

## **BIOLOGICAL SCIENCES SERIES: MICROBIOLOGY— THE GERM THEORY OF DISEASE (McGH)**

h-c-a 27 minutes Color: \$8.30  
Disease was once thought to be a result of displeasure of gods and spirits or punishment for wrong-doings. After the

discovery of microorganisms and studies of contagious diseases the early concepts of the germ theory were established. Koch's four steps of contagion and the question of spontaneous production lead to further understanding and progress in this field.

## **BIOLOGICAL SCIENCES SERIES: MICROBIOLOGY— METABOLIC DIVERSITY (McGH)**

h-c-a 27 minutes Color: \$8.30  
Dr. Roney continues his lectures on microbiology in this film. The discussion here deals with heterotrophic nutrition and aerobic respiration or fermentation and the functions of fermentation.

## **BIOLOGICAL SCIENCES SERIES: MICROBIOLOGY— IMPORTANCE OF MICROORGANISMS (McGH)**

h-e-a 27 minutes Color: \$8.30  
This film discusses the cycle of life and the action of microorganisms in relation to this life cycle. The advantages of decay and decomposition in organic and inorganic materials is discussed as it affects our lives and the foods we eat. The disadvantages of spoilage and rotting are considered in addition to disease as a result of the action of microorganisms.

## **BIOLOGICAL SCIENCES SERIES: MULTICELLULAR PLANTS—PLANT ORGANISMS (McGH)**

h-c-a 27 minutes Color: \$8.30  
In this film H. Burr Roney gives most attention to the multicellular plants that produce seeds. He discusses germination, growth, differentiation, metabolism, and the importance of chlorophyll. The main characteristics and functions of roots, stems, and leaves are stated.

## **BIOLOGICAL SCIENCES SERIES: MULTICELLULAR PLANTS—SEEDS AND GERMINATION (McGH)**

h-e-a 27 minutes Color: \$8.30  
The diversity and modification of seeds is clearly discussed by H. Burr Roney. He uses diagrams to show the parts of a seed, such as endosperm, epicotyl, cotyledon, hypocotyl. Explanation is given to dormancy and germination.

## **BIOLOGICAL SCIENCES SERIES: MULTICELLULAR PLANTS—LEAVES (McGH)**

h-c-a 27 minutes Color: \$8.30  
In this lecture of the series, H. Burr Roney teaches about the diversity of leaves, photosynthetic structures. He clearly describes the shapes and functions of leaves. Considerable discussion is given to the epidermis cells, stomata, guard cells, and leaf tissues. Models and microphotography add to the excellent presentation.

## **BIOLOGICAL SCIENCES SERIES: MULTICELLULAR PLANTS—CHLOROPHYLL (McGH)**

h-c-a 27 minutes Color: \$8.30  
By using models of plants and diagrams, H. Burr Roney continues his series. He analyzes and describes chlorophyll as it is related to multicellular plants. Through microphotography, parts of a leaf are shown.

## **BIOLOGICAL SCIENCES SERIES: MULTICELLULAR PLANTS—ROLE OF GREEN PLANTS (McGH)**

h-c-a 27 minutes Color: \$8.30  
Using large colorful charts and clear diagrams, H. Burr Roney analyzes and describes photosynthesis and respiration.

## **BIOLOGICAL SCIENCES SERIES: MULTICELLULAR PLANTS—ROOTS (McGH)**

h-c-a 27 minutes Color: \$8.30  
In an interesting presentation, H. Burr Roney continues his study of multicellular plants and describes the functions and structures of roots. Using common plants and a very large diagram of a root, he explains the root system of a plant.

## **BIOLOGICAL SCIENCES SERIES: MULTICELLULAR PLANTS—STEMS (McGH)**

h-c-a 27 minutes Color: \$8.30  
Dr. H. Burr Roney describes the various types of stems and illustrates, by microphotography, different stem tissues, such as: pith, central cylinder, cortex and epidermis. The functions of the stem in relation to the entire plant is discussed and parts are identified. Stems serve the plant by supporting the upper part of the plant and transporting materials to and from the upper part. Parts include the nodes and internodes, and latter and terminal buds.



## BIOLOGICAL SCIENCES SERIES: MULTICELLULAR PLANTS—DEVELOPMENT (McGH)

**h-c-a** 27 minutes Color: \$8.30  
The growth of plants, or the increase in number and size of the plant cells, is illustrated by time-lapse photography. There are three areas of development discussed here: Growth—of plant cells; Form—a change of form due to growth; differentiation—a specialization of the plant. Various plant types are discussed and their development illustrated.

## BIOLOGICAL SCIENCES SERIES: MULTICELLULAR PLANTS—REGULATION IN GROWTH (McGH)

**h-c-a** 27 minutes Color: \$8.30  
This film discusses plant growth and groups plant development into three areas: growth, form, and differentiation. The film explains that there are three factors that regulate the development: hormones, heredity and internal and external conditions.

## BIOLOGICAL SCIENCES SERIES: MULTICELLULAR PLANTS—FLOWER STRUCTURE (McGH)

**h-c-a** 27 minutes Color: \$8.30  
In this film Dr. Roney demonstrates the process of sexual and asexual reproduction of certain flowering plants. Many plants can reproduce by both methods depending upon the type of flower and the timing of flowering. Parts of the flower are discussed and the absence of parts or the duplication of certain parts classes flowers in complete or incomplete categories.

## BIOLOGICAL SCIENCES SERIES: MULTICELLULAR PLANTS—FLOWER FUNCTIONS (McGH)

**h-c-a** 27 minutes Color: \$8.30  
Cross or self pollination is explained and demonstrated in this film. Agents involved in the pollination are wind, insects and birds. Dr. Roney discusses the variations in structure of flowers and the two groups called: incomplete and imperfect.

## BIOLOGICAL SCIENCES SERIES: MULTICELLULAR PLANTS—VARIATIONS ON A THEME (McGH)

**h-c-a** 27 minutes Color: \$8.30  
The film begins with a discussion of the variations of parts of plants and how we use these parts as food. Apples, potatoes, celery, onions, lettuce, radishes and pineapples are given as examples of form variation in leaves, stems, roots, flower and fruits.

## BIOLOGICAL SCIENCES SERIES

By the time this catalogue is received the following will also be available for high school, college and adult Biology classes. Film descriptions are not available at this time. Each film is approximately 27 minutes in length, color, and the basic rental rate for the school week is \$8.30.

### PART IV—THE MULTICELLULAR ANIMAL

Form and Function  
Circulation  
Ingestion and Digestion  
Respiration  
Chemical Machinery  
Excretion  
Hormones  
Muscles  
The Nervous System  
The Senses  
Behavior  
The Animal and the Environment

### PART V—REPRODUCTION, GROWTH AND DEVELOPMENT

Patterns of Reproduction  
The Animal Life Cycle  
The Sex Cells  
Fertilization  
Theories of Development  
Metamorphosis  
Development of Organs  
Reproductive Hormones  
Regeneration  
Plant Reproduction  
Requirements for Plant Growth  
Plant Growth and Development

### PART VI—GENETICS

The Science of Heredity  
Mendel's "Segregation"  
Mendel's "Recombination"

Inheritance in Man  
Genes and Chromosomes  
Chromosomes and Sex  
Blood Groups, Skin Color, Gene Pools  
Mutation  
Nature and Nurture  
Cytoplasm and Differentiation  
Biochemical Genetics  
The Treasury of Human Genes

### PART VII—PLANT DIVERSITY

The Evolution of Body Form  
The Algae Phyla I  
The Algae Phyla II  
Fungi I  
Fungi II  
Mosses  
The Invasion of Land  
Ferns and Related Plants  
Gymnosperms  
The Flowering Plants I  
The Flowering Plants II  
The Plant Kingdom

### PART VIII—ANIMAL DIVERSITY

The Nature of Diversity  
Order in Diversity (Classification)  
Sponges and Coelenterates  
Worms (Flat Worms, Nemerteans, Annelids)  
Crustacea and Their Allies  
Insects and Spiders  
Mollusks (A Story of Adaptation)  
Echinoderms, Bryozoans and Rotifers  
Fishes, Amphibians, and Reptiles  
Birds and Mammals  
Primates  
Interrelationships for Survival

### PART IX—ECOLOGY

Order in Nature  
Habitat and Adaptation  
The Living Environment  
How Organisms Modify Their Environment  
The Community  
Community Changes in Time I  
Community Changes in Time II (Succession)  
Community Changes in Time III (Man)  
Populations  
Energy Transformations  
Plant and Animal Geography  
Biomes

### PART X—LIFE, TIME AND CHANGE

Organisms in Time  
Darwin and Evolution  
Origin of Hereditary Differences  
Natural Selection I  
Natural Selection II  
The Species Concept  
Patterns of Evolution  
The History of Life  
Evolution of the Vertebrates  
Origin and Evolution of Man  
Course Summary I  
Course Summary II

### BIOLOGISTS IN THE TROPICS (McGH)

**h-c-a** 13 minutes B&W: \$3.40  
At Simla, Dr. William Beebe's tropical laboratory in the Northern Range of Trinidad, the staff is seen at work on typical biological research problems of ecology, animal behavior, animal collecting, etc.

### BIOLOGY OF DOMESTIC FLIES (COMMUNITY FLY CONTROL SERIES) (UW)

**c-a** 9 minutes B&W: \$1.50  
Types of domestic flies; their habits and mechanisms for transmitting disease organisms and filth; methods of control through residual and space spraying with insecticides.

### BIRD COMMUNITY, THE (MIS)

**j-h** 12 minutes Color: \$3.20  
The communal life of birds in their natural surroundings is contrasted with the artificial community of bird life in a zoo. The great number and variety of birds on the Midway Islands are shown. Their manners of reproduction and growth, unusual patterns of behavior and means of survival are illustrated by such birds as the Fairy Tern, Frigate Bird, Bosun Bird, Gannet, and the Albatross.



**BIRD HOMES (EB)**

p-i 11 minutes Color: \$3.40  
Designed to show how birds build their nests to meet the requirements of the environment in which they live.

**BIRD HUNT (IFB)**

i-j-h-c-a 11 minutes B&W: \$2.15  
The story of two young boys—one six years of age, the other eleven—with their first glimpse of inflicted death.

**BIRD MIGRATION (HNP)**

general 9 minutes Color: \$3.15  
Over sixteen species of birds are presented, showing their course of flight and distance traveled between North and South America. Possible reasons for migration are examined and some bird calls are included.

**BIRDS AND THEIR CHARACTERISTICS (C)**

i-j-h 11 minutes Color: \$3.60  
This film shows in detail the characteristics which differentiate birds from the other groups of vertebrates. Features which all birds have in common are shown—feathers, wings, and legs, and warm-bloodedness, and beaks. We learn of the adaptations and special characteristics of several kinds of familiar birds. Unusual slow-motion photography shows details of the birds in flight.

**BIRDS ARE INTERESTING (EB)**

i 10 minutes Color: \$3.40  
Presents some of the basic biological concepts concerning birds. Provides a systematic analysis of birds by classifying them under three categories—swimming and wading birds, birds of prey, and perching birds. Contrasts such features as bills, feet, and wings to characterize each type. Among the birds in the film are the canary, domestic chicken, duck, hawk, owl, and pelican.

**BIRDS: HOW WE IDENTIFY THEM (C)**

p-i 11 minutes Color: \$3.60  
With field glasses and bird guide book, two boys see and identify many different birds. We learn how to distinguish one bird from another: by appearance; the sound they make; and their actions, both on the ground and in the air. The identifying characteristics of many of our more common birds are pointed out as we observe them in their natural habitat.

**BIRDS IN WINTER (C)**

p-i-j 11 minutes Color: \$3.40  
An excellent color film showing a seasonal aspect of bird life, as compared with study by nesting habits or life cycle. Winter residents shown include chickadee, nuthatch, junco, cardinal, English sparrow, starling, and downy and hairy woodpeckers.

**BIRDS IN WINTER (EB)**

i 11 minutes B&W: \$2.35  
Illustrates the various ways in which birds are adapted to winter weather—both those which stay through the winter and those which migrate to southern climates.

**BIRDS IN YOUR BACKYARD (AB)**

p-i 11 minutes Color: \$3.15  
Two brothers share the fun and responsibility of a project to attract birds to their yard. They observe the feeding, drinking, bathing, and nesting activities of the birds that visit their backyard sanctuary. Helps make children more aware of the possibilities of interesting activities in their own backyard.

**BIRDS OF NORTH AMERICA #3 (EB)**

i-j 11 minutes Color: \$3.40  
Presents the killdeer plover, the nighthawk, and the cedar waxwing. Reveals markings and cries of these birds. Illustrates how each bird behaves when its nest is threatened, and portrays feeding habits of the young birds. Animated maps point out summer and winter habitats.

**BIRDS OF NORTH AMERICA #4 (EB)**

i-j 11 minutes Color: \$3.40  
Depicts the identifying characteristics of three birds: the spotted sandpiper, the sora rail, and the Barrow's golden eye. Indicates their summer and winter range, and portrays the mother birds on their eggs. Shows the eggs hatching and the young birds venturing out into their world of rock, reed, and water.

**BIRDS OF NORTH AMERICA #5 (EB)**

i-j 10 minutes Color: \$3.40  
Presents distinctive markings of three birds: the yellow-shafted flicker, the chestnut-sided warbler, and the mountain bluebird. Gives nest-side views of the activities, development, and the habitat of these birds. Maps show the areas where each of them may be found.

**BIRDS OF OUR STORYBOOKS (C)**

p-i 10 minutes B&W: \$2.25, Color: \$3.40  
The robin, cardinal, crow, owl, bluejay, sparrow, red-headed woodpecker, wren, and seagull—birds which children encounter most frequently in their stories and in their texts—are shown as they appear in book illustrations and in their natural settings. Characteristics of the birds—their coloring, calls, and easily observed habits—are carefully integrated with poems and stories of the primary level.

**BIRDS OF PREY (EB)**

i-j-h 11 minutes B&W: \$2.15  
Several common species belonging to the group of birds of prey are presented. Among them are the turkey vulture, marsh hawk, red-tailed hawk, rough-legged hawk, bald eagle, sparrow hawk, barn owl, screech owl, great horned owl, and snowy owl. These birds are shown in their natural habitats, and pursuing their characteristic activities. Typical calls and sounds characteristic of the birds are presented as the occasion demands.

**BIRDS OF THE COUNTRYSIDE (REVISED) (C)**

i-j-h 9 minutes Color: \$3.60  
Vivid shots in color of indigo bunting, meadow lark, nighthawk, red-tailed hawk, kingbird, and killdeer. Shows how they are equipped to defend themselves, and shows their importance to man.

**BIRDS OF THE DOORYARD (REVISED) (C)**

i-j-h 10 minutes Color: \$3.60  
Revealing scenes in color of the robin, white-throated sparrow, bronzed grackle, wren, yellow warbler, and purple martin.

**BIRDS OF THE INLAND WATERWAYS (C)**

p-i-j 10 minutes Color: \$3.15  
Colorful sequences of a belted kingfisher, blue heron, black-crowned night heron, green heron, glossy ibis, avocet, red-backed sandpiper, Canada goose, and lesser scaup duck.

**BIRDS OF THE MARSHES (C)**

p-i-j 10 minutes Color: \$3.15  
Unusual camera views of the red-winged blackbird, least bittern, marsh wren, sora rail, and the pie-billed grebe in their natural surroundings.

**BIRDS OF THE SEASHORE (EB)**

i-j 11 minutes Color: \$3.40  
Portrays the activities, habitats, and distinguishing marks of various North American water birds. Depicts plumed gulls in flight and nesting in colonies, gannet colonies, eider ducks, the black guillemot, blue heron, razor-billed auk, and the cormorant. Authentic bird calls are heard throughout the film.

**BIRDS OF THE WOODLANDS (C)**

p-i-j 10 minutes Color: \$3.15  
Activity of the female redstart, purple finch, ovenbird, flicker, and black-billed cuckoo make this an excellent study of bird habits.

**BIRTH OF A VOLCANO (SF)**

general 9 minutes B&W: \$1.65  
Shows the development of the Mexican volcano, Parícutin, from its eruption to its present size.

**BIRTH OF AN OIL FIELD (SOC)**

h-c-a 33 minutes Color: \$2.15  
Shows how an oil well is drilled and crude oil is brought up from the ground and started on its way to the refinery. Shows the natural forces that make oil flow and how artificial methods are employed to lift oil from the ground when natural forces decline.

**BIRTH OF MODERN BOXING, THE (YOU ARE THERE) (CBS)**

j-h-c-a 28 minutes B&W: \$5.65  
The modern Marquis of Queensbury rules for boxing became a reality on September 7, 1892, in New Orleans, with the



heavyweight championship fight between Sullivan and Corbett. Fight game rules from that time until the present day were affected by this bout.

### BIRTH OF THE SOIL (EB)

j-h-c-a 10 minutes Color: \$3.40

Shows how nature produces life-giving topsoil from the basic raw materials of rock, water, air, and sunlight by the processes of plant growth and decay and photosynthesis. Contrasts the productive capacity of topsoil with subsoil.

### BIRTHDAY PRESENT TO AMERICA (DIS)

i-j 15 minutes B&W: \$2.90

A class working on an international friendship project learns how the Statue of Liberty came as a gift from France to America. Shows contemporary scenes of the harbor life around the statue and of the visitors to the statue.

### BIRTHPLACE OF AMERICA (16mmP)

j-h-c 9 minutes B&W: \$2.15

Shows points of interest and birthplaces in England of America's great men and their ancestors. Included are such famed names as George Washington, Abraham Lincoln, Benjamin Franklin, the Pilgrim fathers, John Cabot, William Penn, Lord Baltimore, John Harvard, William Brewster, William Bradford, and John Robinson.

### BIRTHPLACE OF ICEBERGS (TFC)

j-h-c-a 10 minutes B&W: \$1.90

A study of the largest tidewater glacier in the world which discharges into the Gulf of Alaska. The ice river is shown moving down to the sea where it collapses and discharges tremendous chunks of ice. *Restricted to classroom use.*

### BITTER WELCOME (MHFB)

h-c-a 36 minutes B&W: \$7.05

Depicts the struggle of a discharged mental hospital patient to overcome the fears and prejudices of his fellow-workers. It shows his painful efforts at readjustment when he is rejected by the men on the job. It dramatizes his courage and perseverance as he battles against odds to justify his wife's faith in him, to keep his job and to regain his own self-confidence.

### BLACK BEAR TWINS (EB)

p-i 10 minutes B&W: \$2.15

Portrays the experiences of a family of campers in observing a pair of small, hungry, and mischievous twin bears. The bears play with a blanket and ball, raid a wild-bee hive, nurse their stings in a mud puddle, and then go for a swim in an adjoining lake.

### BLACK WIDOW SPIDER (MID)

j-h-c 12 minutes Color: \$3.80

This film shows the life cycle of the black widow and that of the tiny fly—one of the black widow's worst enemies. Some of the scenes include mating, construction of the egg sac, laying and hatching of the eggs, and the development of the spiderlings into mature spiders by the moulting process. This film serves to inform us about the dreaded spider.

### BLADES OF GREEN (UPRR)

j-h-c-a 18 minutes Color: \$2.15

Stresses the need for and the importance of grass; shows the planting, growing and harvesting of grass for seed.

### BLANKING SHEET METAL ON THE SQUARING SHEAR (UW)

h-c-a 19 minutes B&W: \$2.90

Shows how to lay out tapered blanks on an aluminum sheet; how to set up a hand-operated squaring shear; how to use holddowns and treadle; and how to check and trim blanks.

### BLANKING SHEET METAL WITH HAND SNIPS (UW)

h-c-a 15 minutes B&W: \$2.90

Shows how to care for and adjust the sheet metal snips, how to select snips for the job to be done, and how to perform various types of cutting operations.

### BLASTING CAP (IME)

i-j-h 19 minutes Color: \$2.15

Intended for school safety programs to inform students of the dangers hidden in the apparently harmless little blasting cap.

### BLIND AS A BAT (MIS)

i-j-h-c 7 minutes Color: \$2.65

Pictures the life and habits of the bat. Close-ups show that it is not blind, but has well developed eyes. Laboratory tests demonstrate the bat's ability to avoid obstacles even when blindfolded by emitting inaudible cries. This misunderstood animal is shown to be a useful insect killer and is the only mammal that flies.

### BLOCK CUTTING AND PRINTING (STI)

j-h-c-a 11 minutes Color: \$3.90

Shows how to cut and print a two-color design. Includes details of transferring the design, cutting, proofing, correcting, registering for color, and printing the blocks by three different methods.

### BLOCK THAT TERMITE (UW)

general 20 minutes B&W: \$2.90

The first sequences show the habits and habitat of the underground termite. These scenes are followed by others which show by photography and animation, methods to be observed in constructing buildings to protect them from infestation and procedure to follow to prevent further damage after buildings are attacked.

### BLOCKING IN FOOTBALL (EB)

j-h 10 minutes B&W: \$2.15

Emphasizes importance of speed, power, drive, follow-through, timing, and body control for effective blocking. Stresses correct starting position for all blocks, and then demonstrates clearly the cross-body block and the shoulder block, together with their many variations. Uses slow-motion and stop-motion photography and super-imposed animated drawings.

### BLOOD TRANSFUSION (BIS)

j-h-c-a 18 minutes B&W: \$2.90

The story of the development of blood transfusions from the discovery of the four blood types to the modern blood donating systems developed in World War II.

### BLOW, WIND, BLOW (BACKGROUND FOR READING AND EXPRESSION) (C)

p 11 minutes B&W: \$2.15, Color: \$3.40

Wind is sometimes a helpful force; other times it may be a destructive force. This is an attempt to look at the wind from both of these angles. The film is a background for understanding stories, poems, and songs about the wind.

### BLUE DANUBE (SF)

general 12 minutes B&W: \$2.95

The Vienna Choir Boys take a walking trip through an amusement park, where they sing for the workers and are sung to, in return. At the end, the choir presents its interpretation of *The Blue Danube Waltz*.

### BLUE DANUBE (UW)

h-c-a 10 minutes B&W: \$1.65

The famous waltz, played by the Vienna Philharmonic Orchestra, serves as the background for an interpretive ballet, and the period in which the music was written.

### BLUE TONGUE—CATARRHAL FEVER IN SHEEP (USDA)

c-a 10 minutes Color: \$2.15

Describes the history and shows the symptoms, lesions, and pathology characteristics of blue tongue. Describes the epizootiology, including insect transmission, hosts, communicability, and means of prevention and control. Useful in providing visual information to the veterinarian and student on this hitherto foreign disease, now known to be established in this country.

### BLUEBIRD (HNP)

general 10 minutes Color: \$3.15

Two bluebirds make a summer visit in the North; the camera covers their flight and nesting site. In the last phase five species of woodpeckers, along with the popular wren, are pictured as they prepare their summer home.

### BOARD OF EDUCATION (UW)

c-a 19 minutes B&W: \$2.65

Residents of a rural community in the U.S. organize to obtain a modern consolidated school and improved educational opportunities for their children.



**BOATS (EB)**

p-i 10 minutes B&W: \$2.15

On taking a boat trip from Albany down the Hudson River to New York, Nancy and Roger have many exciting adventures. Their time is fully occupied seeing the sights along the shore, inspecting the different parts of their boat, and observing the different types of boats which ply the river. Their experiences are climaxed when they see a great ocean liner assisted from its dock by tugboats to begin its journey across the Atlantic.

**BOATS: BUOYANCY, STABILITY, PROPULSION (C)**

i-j 13 minutes B&W: \$2.90

Illustrates the Archimedes' principle to explain why certain objects float in water while others do not. The film examines the factors which give boats and ships stability, shows the various methods of propulsion, and illustrates how a submarine submerges and rises.

**BOB GAFFNER, FISHERMEN'S HELPER (F)**

p-i-j 11 minutes Color: \$3.40

Bob's Uncle John teaches Bob many things about the life of the Pacific Coast fishermen who fish for sardines, tuna, and mackerel.

**BOB LEARNS ABOUT OCEAN TRADE (F)**

i-j 11 minutes Color: \$3.20

Bob boards two ships to learn about the products shipped to two different nations. He learns first hand that Honolulu, Hawaii, buys products typical of an island country, while China buys canned goods, machinery, and cotton. As a result of this visit to the two ships, Bob finds out that a large nation imports and exports many products.

**BOBOLINK AND BLUEJAY (C)**

p-i-j 10 minutes Color: \$3.15

Vivid color captures the living habits of the bobolink and bluejay as they pose in intimate family situations.

**BOBWITE THROUGH THE YEAR (MSCS)**

j-h-c-a 50 minutes Color: \$15.15

Quail habitat and mode of living is filmed in its natural setting. Nesting, mating, and feeding characteristics are all documented in this extraordinary film of the American bobwhite at work and play.

**BODY BUILDERS (SPEC)**

j-h-c-a 18 minutes B&W: \$2.15

Shows some of this country's finest masculine physiques. Illustrates the basic exercises, and gives an audience, unfamiliar with body building, an idea of how much perfection can be achieved by weightlifting, tumbling, and hand-balancing. Renald and Ruby appear in a sequence. Intended to encourage and stimulate body building and the sport of weightlifting.

**BODY CARE AND GROOMING (McGH)**

j-h-c 17 minutes B&W: \$3.90

Emphasizes that good grooming starts with personal care, and describes some recommended daily habits that help everyone to make the most of what nature has provided. Demonstrates how to take care of skin, hair, nails and teeth and stresses the social advantages of a clean, healthy appearance.

**BODY DEFENSES AGAINST DISEASE (EB)**

j-h-c-a 10 minutes B&W: \$2.15

Examines the three lines of defense against infection—the skin and mucous membrane, the lymphatic system, and the circulatory system, including liver and spleen. Explains how the body becomes immune to certain diseases, and how to improve defenses against infection.

**BODY FIGHTS BACTERIA, THE (McGH)**

j-h-c-a 17 minutes B&W: \$2.95

The story of the never-ending battle between disease-producing organisms and the human body. Various types of these organisms such as bacilli, cocci, and spirochetes are shown to be plentiful and dangerous. The film then describes the various counterbalances which mankind uses in combating these bacterial invaders.

**BOLIVIA (UW)**

j-h 15 minutes B&W: \$2.15

Explains in full detail the topography and mineral resources of Bolivia. Tells of the great Silver Era in the early 1700's. Primitive harvesting and mining methods are also shown.

**BOLIVIA (INDIAN STREET) (WHF)**

j-h-c-a 22 minutes B&W: \$2.90

Narrated by Ricardo Montalban and one of the few films available on Bolivia. Depicts the "three worlds" of Bolivia—lowlands, middle lands, and highlands—with special emphasis on the Indians of the Andes. Besides showing the country and life of the people, the film tells how American priests are helping the mountain people.

**BOMBER, THE (UW)**

j-h-c-a 9 minutes B&W: \$1.65

Speed and power came with the development of the Martin B-26 medium bomber. To manufacture this medium combat plane, industry had to make use of many subsidiaries for many of the parts.

**BOOGIE-DOODLE (NFBC)**

j-h-c-a 4 minutes Color: \$2.15

An animated film of "boogie" played by Albert Ammons and "doodle" drawn directly on the film by Norman McLaren. Spots, blobs, and wavy lines, all of brilliant color—blue, white, and black on a dazzling red background—"swing" to the "boogie" rhythm. The figures pursue one another, catch, unite, split up; a dot becomes a heart, then a blob, then a wiggly line—all bright and fast to the mood of the music.

**BOOGIE WOOGIE SIOUX (UW)**

p-i 6 minutes Color: \$2.55

Indians in Arizona need rain badly. When a rainmaker fails, it is so hot that things are burning including the Chief. Then comes a new note in the Tom-Tom music which is hot but it produces laughs with the rain.

**BOOK, THE (EB)**

j-h-c 20 minutes B&W: \$3.15

This film illustrates the procedures involved in the making of a book; from the author's conception of the idea to the sale which eventually brings it to the readers.

**BOOK BANNING (McGH)**

h-c-a 16 minutes B&W: \$3.15

Illustrates one of the vital and fundamental aspects of a free society, the right of an individual or group to ban certain books not to their liking.

**BOOK TALK SERIES (UI)**

h-c-a 15 minutes each B&W: \$5.15 each

A series of thirteen programs with Dr. Walter Stone of the University of Illinois. These programs take the audience on a brief trip into the literary world with discussions and interviews concerning book news, reviews, and authors. The general format of the programs is aimed at stimulating general public interest in books and reading. The seventh film in the series is twenty-eight minutes in length.

**BOOKER T. WASHINGTON (EB)**

i-j-h 19 minutes B&W: \$4.15

Pictures him from childhood to the time when he became "probably the greatest Negro in history." Reproduces episodes illustrating his constant struggle to free his people from ignorance, poverty, and fear. Recalls his hardships in obtaining an education, his problem in building Tuskegee Institute, and his tragedies in private life.

**BOOKKEEPING AND ACCOUNTING (VGF)**

j-h-c 10 minutes B&W: \$2.15

Job opportunities, training and examples of the work done are illustrated in this guidance film.

**BOOKKEEPING AND YOU (C)**

j-h 11 minutes B&W: \$2.15

This film shows everyday applications of bookkeeping to increase motivation for its study and to help in vocational guidance. Explains the value of bookkeeping in professional life and in keeping a record of personal finances.

**BOOKS (ICS)**

j-h-c 11 minutes B&W: \$2.95

This film shows origins of books and writing, primitive drawings, hieroglyphics, early inscriptions, etc. Then through the writings of Greece we come to Shakespeare, the Bible, and modern books. To make modern methods of book production more interesting, the rest of the film is built around an imaginary author and his book. The book is first seen in manuscript and then the film follows it through every state of publication until it finally appears in the bookstalls and is reviewed in the press.



**BOOKS FOR EVERYONE (UW)**

**h-c-a** 10 minutes **B&W: \$1.65**  
Shows how the manufacture and distribution of millions of paper-bound books in the United States makes every type of publication easily available to all for education and entertainment.

**BORDER WITHOUT BAYONETS (McGH)**

**j-h-c-a** 18 minutes **B&W: \$3.75**  
With the longest boundary in the world—from the Atlantic to the Pacific and up through Alaska to the polar regions—the United States and Canada face each other without a single cannon or a strand of barbed wire between them. An international joint commission controls the border with both countries represented and each country contributing to the cost. Here is visual proof of how two nations can live side by side in mutual respect and understanding without bloodshed or violence.

**BORDERLINE (McGH)**

**h-c-a** 27 minutes **B&W: \$5.65**  
The story of an adolescent on the borderline between useful citizenship and delinquency. Shows the problems of emotional adjustment for adolescents as they strive toward maturity. Discusses the extent of guidance vs. discipline.

**BORN EQUAL (LFI)**

**j-h-c** 11 minutes **B&W: \$2.15**  
The meaning and purpose of the United Nations Declaration of Human Rights. It develops the theme of the first article, that all men are born equal, and makes a comparison between freedom in a well-run democracy and lack of freedom in a police state.

**BORN IN THE WHITE HOUSE (NFI)**

**h-c-a** 26 minutes **B&W: \$1.15**  
Traces the progress of medical science in the conquest of disease, with particular emphasis on recent gains in polio research and treatment of the disease.

**BORN TO DIE (TFC)**

**general** 9 minutes **B&W: \$1.65**  
This film introduces the dwellers on the sea bottom. Among the sea dwellers shown are the octopus, worms, hydroids, snail, and the squid. We see a sea urchin, its eggs enormously magnified, go through cleavage up to 16- and 32-cell stage and an example of "life bearing" fish. *Restricted to Classroom Use.*

**BORROWED POWER (AAA)**

**h-c-a** 15 minutes **B&W: \$3.15**  
The story of how the attitudes of a typical high school boy are changed in order to make him a more responsible driver. Intended to build a respect for "power under control" and better driving behavior.

**BORROWING IN SUBTRACTION (TFC)**

**i-j** 17 minutes **B&W: \$3.65**  
Produced in collaboration with the American Council on Education, the film explains the step-by-step borrowing process involved in subtracting from a three-place number. Tries to present a wholesome attitude toward problem solving in general. *Restricted to Classroom Use.*

**BOSS DIDN'T SAY GOOD MORNING (TFC)**

**j-h-c-a** 10 minutes **B&W: \$1.65**  
Tells the story of a boss who fails to say good morning to an employee and the resultant worry of the employee, who believes the boss is dissatisfied with his work. *Restricted to Classroom Use.*

**BOSTON MASSACRE, THE (YOU ARE THERE) (CBS)**

**j-h-c-a** 27 minutes **B&W: \$5.65**  
Depicts a major incident in the growing rebellion of the American colonies when British troops fired on a group of American patriots protesting the quartering of British troops in Boston and the British taxes levied without representation.

**BOSTON TEA PARTY (TFC)**

**i-j-h** 11 minutes **B&W: \$1.90**  
The statues and places commemorating the period in American history between 1775 and 1807 including the Virginia House of Burgesses, the Liberty Bell, Concord Bridge, the village green at Lexington Common, Fort Amherst, Crown Point, Fort Ticonderoga, Plaque of Putnam, Bunker Hill monument, statue of William Hale, monuments commemorating the Battles of

Trenton and Saratoga, John Paul Jones trophy, Independence Hall, and the house of Betsy Ross are shown. *Restricted to Classroom Use.*

**BOSTON TEA PARTY, THE (YOU ARE THERE) (CBS)**

**j-h-c-a** 27 minutes **B&W: \$5.65**  
Shows the eventful day of December 16, 1773, when American patriots decide to strike a daring blow against British tyranny and taxation. Portrays the spirit and personalities of the times which led up to the Revolution.

**BOUND BUTTONHOLES (SEW EASY SERIES #16) (AL)**

**j-h-c-a** 17 minutes **B&W: \$2.15**  
A demonstration of the beautiful but difficult bound buttonholes which are used only in the most expensive garments. Shows how to locate the buttonholes, how to use the interfacing, the baste stitching, and how to prepare the binding piece.

**BOUNDARY LINES (IFF)**

**h-c-a** 11 minutes **Color: \$3.40**  
A plea to eliminate the arbitrary boundary lines which divide people from each other as individuals and as nations—invisible boundary lines of color, origin, wealth, and religion. Stresses the need for education against elements of intolerance.

**BOVINE CONTAGIOUS PLEURO-PNEUMONIA (USDA)**

**h-c-a** 28 minutes **Color: \$2.15**  
Reports the incidence of this destructive disease of cattle and depicts with excellent color photography a detailed study of tissue and organs affected by the disease. Shows how this disease, that threatened the American cattle industry 70 years ago, is controlled by vaccination and other measures in Australia where this picture was made by the Commonwealth Scientific and Industrial Research Organization.

**BOWLING ACES (UW)**

**j-h-c-a** 10 minutes **B&W: \$1.70**  
A revised edition of a popular bowling film featuring the great Joe Falcato and other bowling champions.

**BOWLING FUNDAMENTALS (M)**

**h-c-a** 17 minutes **B&W: \$3.90**  
Initial techniques of bowling are presented by an expert who provides instruction and demonstration to a group of boys and girls. Each important point is covered, step-by-step, and a lesson is given in selection of ball, stance, approach, aim, delivery, follow-through, and direction.

**BOWS AND ARROWS (OF)**

**j-h-a** 10 minutes **B&W: \$2.10**  
A thrilling outdoor adventure with bow and arrow. An archery game called "roving" is demonstrated. Special tricks are performed by five-time champion Russ Hoogerhyde.

**BOY, A BAT AND A BASEBALL (YA)**

**i-j-h** 17 minutes **B&W: \$3.45**  
The story of amateur baseball for boys from 8 to 18. Shows examples from Little League Baseball, the Babe Ruth League, and American Legion Baseball.

**BOY IN COURT (NPPA)**

**j-h-c** 11 minutes **B&W: \$2.15**  
Tells the story of a boy who chooses the wrong crowd and gets caught while attempting to steal an automobile. It shows the way the probation association changes his outlook on life and makes a good citizen of him.

**BOY MEETS DOG (UW)**

**p-i** 10 minutes **B&W: \$2.15**  
A boy cannot be a "regular feller" because his father won't let him. When the boy brings home a dog, his father becomes very angry. Then he has a bad dream in which the pixie friends of all boys and dogs sentence him to be young again. Thus he sees things from a different viewpoint.

**BOY OF A FRONTIER FORT (C)**

**i-j** 11 minutes **Color: \$3.40**  
Actual life in a frontier fort in the 1790's. The building of the fort, the daily chores, hunting for food in the forest, methods of governing and teaching, and the dramatic preparations of the frontiersmen to ward off an Indian attack.



**BOY OF INDIA, A: RAMA AND HIS ELEPHANT (C)**

p-i 11 minutes Color: \$3.40  
A special day in the life of an Indian boy; the day he accompanies his father, a mahout, to learn how he handles his work elephant. He "learns by doing" as Gunda, the elephant pulls a tea truck from the stream in which it is stalled.

**BOY OF MEXICO, A: JUAN AND HIS DONKEY (C)**

p-i 11 minutes B&W: \$2.15, Color: \$3.40  
Through the warm story of Juan, a small Mexican boy, and his donkey, Pepito, children become acquainted with some of the characteristics of rural Mexico. In following Juan's experiences on a single day, the film conveys a sympathetic feeling for Mexico and provides a rich background for reading and the language arts activities related to life in this country.

**BOY OF RENAISSANCE ITALY (C)**

i-j 13 minutes Color: \$4.20  
Photographed in Florence, Italy, the film provides intimate glimpses into life during the Renaissance. Through the story of Niccolo, an apprentice artist of 1500, we perceive the spirit of the Renaissance and people of the times—merchants, peasants, soldiers, artists and professors.

**BOY OF THE CIRCUS, A (C)**

p-i 15 minutes Color: \$5.15  
Dino, whose family are all circus performers, has no job for the opening performance. The camera follows his trip throughout the circus grounds as he questions the different circus people on what he can do. The lives of the people are portrayed through the eyes of this little boy. The last part of the film shows a colorful circus spectacle with Dino taking part.

**BOY OF THE NAVAJOS, A (C)**

p-i 10 minutes Color: \$3.40  
The adventures of a Navajo boy, Tony Hotinez. It recounts his adventures as he herds sheep in the Arizona desert, spends evenings with his family in their hogan, and takes an exciting trip to the trading post. At the post Tony sells drawings he has made of the Navajos and their customs.

**BOY OF THE NETHERLANDS, A (C)**

p-i 10 minutes Color: \$3.40  
Story of a Dutch boy who travels from his farm home by barge to Amsterdam to buy a new chain for his bike. He shares the life of the barge family and enjoys the sights of old and new Holland as seen along the canal. Arriving in the city, he buys a surprise for Katrien, the little barge girl.

**BOY OF THE SEMINOLES, A (INDIANS OF THE EVERGLADES) (C)**

p-i 10 minutes Color: \$3.40  
The story of Naha, an Indian boy from the Everglades. The camera takes us to the home, deep in the swamp, of this Indian boy and his family. We see the simple, quiet daily life and adventures of these people. We study their customs and way of life and the things they must do to sustain that life.

**BOYHOOD OF GEORGE WASHINGTON, THE (C)**

p-i 10 minutes B&W: \$2.25  
Among the actual sites of his boyhood, the film shows Washington growing up around Ferry Farm and Mount Vernon and developing into young manhood on the raw Shenandoah frontier. Our history begins when young Washington was seven and shows his formative years—the experiences, standards of conduct, and capabilities that fitted him uniquely for leadership.

**BRAHMS AND HIS MUSIC (C)**

j-h 13 minutes B&W: \$2.80, Color: \$4.50  
The music of Johannes Brahms serves as a framework wherein are presented persons who influenced the composer, places where he lived, and important ideas of his life. In understanding the controversy that raged around his music during his lifetime, students will better understand Brahms's contributions to the world of music.

**BRAIN AND BEHAVIOR (McGH)**

c-a 22 minutes B&W: \$4.75  
Demonstrates two ways by which we can study the function of different brain areas in human behavior: the method of artificially stimulating different parts of the brain with an electrode and observing the results; and the method of measuring, by means of tests, the changes in behavior following injuries in different areas of the brain.

**BRASS CHOIR, THE (EB)**

i-j-h-a 11 minutes B&W: \$2.15  
Demonstrates the versatility of brass instruments in solo passages and in full orchestral setting. Shows the tone quality and construction of the most important brass instruments as well as the techniques of playing them. Masterpieces presented include works of Wagner, Gabrieli, Berlioz and Liszt.

**BRAVE TIN SOLDIER (UW)**

p-i 8 minutes B&W: \$1.70  
A toy soldier has wild adventures with a king and movie characters but wins a ballet dancer in the end.

**BRAZIL (McGH)**

j-h-c 13 minutes B&W: \$2.85  
The tremendous advances that have been made as a result of emergency wartime projects are shown. Climax of the picture foreshadows the flourishing prospects for future trade between the U.S. and its big friend in South America.

**BRAZIL, PEOPLE OF THE HIGHLANDS (EB)**

i-j-h 17 minutes B&W: \$3.45, Color: \$5.00  
From Rio de Janeiro to the highlands where we see the primitive agriculture of the frontier, the small sleepy villages and the busy metropolitan life of Sao Paulo. We see the coffee industry as well as mining and typical family life.

**BRAZIL TODAY (McGH)**

j-h-c-a 18 minutes B&W: \$2.85  
Shows the enormous progress made by a dynamic nation in its transformation from a sprawling agricultural region into one of the wealthiest of modern powers. Includes views of cities, industries, mines, and coffee growing and processing.

**BREAD (REVISED) (EB)**

p-i 11 minutes B&W: \$2.35  
Bread is an important part of American food life. Here, we see the processing of wheat from the farm to the loaf on the dinner table.

**BREAD AND WINE (IFF)**

j-h-c-a 12 minutes B&W: \$3.15  
Deals with Italian agriculture and the "mezzadria" system of Italian farming. Shows the harvest of the grapes, the cultivation of the crops, the making of bread, the routine life of the farmers and their proprietors and an evening meal.

**BREAD MAKING (PHP)**

i-j-h-c-a 9 minutes B&W: \$2.15  
Portrays the main steps in the operation of a modern bakery. In addition, the film stresses the importance of proper nutrition, showing that bread contains so many health-giving body needs that it has become man's most popular single food.

**BREAKDOWN (McGH)**

c-a 44 minutes B&W: \$6.65  
A vivid and completely authentic case study of a young woman who develops a schizoid personality. Through the camera's eye we follow the course of her treatment—first in a mental health clinic and later in a state hospital. Finally we see her discharged from this institution to complete her rehabilitation as a member of her family.

**BREAKTHROUGH (USDA)**

c-a 27½ minutes Color: \$2.15  
By showing examples of research work under way in the Department's Agricultural Research Service, this film is designed to interest college science students in a career in agricultural research. Shows the challenges that are offered in the research fields of farm economics, entomology, animal husbandry, animal disease and parasites, agricultural engineering, soil and water, and crops, and reveals the constant and continual probing and studying that are necessary before a "breakthrough" is achieved.

**BREAST SELF-EXAMINATION (ACS)**

a 16 minutes Color: \$2.15  
Explains the steps to follow in breast examination. The film stresses that if breast cancer were suspected earlier by women themselves, 80% of the patients could be saved by surgery. This film should be accompanied by a discussion period with a doctor on hand to answer all questions. Primarily for women's clubs, parent-teacher associations, social organizations and church societies.



**BRICK AND STONE MASON (VGF)**

j-h-c 9 minutes B&W: \$2.15  
Explains various phases of structural masonry and discusses educational requirements, working conditions and possibilities of advancement in this trade. Patterns of laying masonry are shown as they relate to the strength and beauty of the handiwork of the mason.

**BRIDGE, THE (NYU)**

j-h-c-a 28 minutes B&W: \$4.90  
Deals with the economic basis of trade relations between Latin America and the rest of the world. Develops the thesis that air transportation and travel will probably play a larger part than anything else in modernizing the remote, inaccessible regions of Latin America.

**BRIDGES (GA)**

i-j 11 minutes B&W: \$2.15  
Various types of bridges—fallen log, foot bridge, covered bridge, steel and concrete, truss, cantilever, arch, center-bearing swing span, bascule, vertical lift and suspension. Explains principles by use of models.

**BRIDGES FOR IDEAS (USC)**

h-c-a 24 minutes B&W: \$4.15  
Examines communications media as bridges for ideas. Shows the importance to the teacher, the student, and the citizen of an understanding of the function and techniques of language, motion pictures, radio and television, fine arts, and other means of communicating information and concepts. Demonstrates means of utilizing the various media as audio-visual teaching aids.

**BRIGHT SIDE, THE (MHFB)**

h-c-a 23 minutes B&W: \$4.90  
Stresses that being a parent is not primarily a problem but essentially a source of pleasure, and indicates that the anxiety of parents can hurt the children they are trying to help. This film dramatizes the oft-neglected truth that day-to-day enjoyment of family living by parents can provide the best emotional climate for children to grow into happy, well-adjusted people.

**BRING BACK MY BONNIE (COF)**

p-i 11 minutes B&W: \$2.15  
Lorna is a little girl whose only friends are the creatures of the sea and her doll, Bonnie. Through carelessness on Lorna's part, Bonnie drifts out to sea and has many strange adventures both above and below the surface of the ocean.

**BRING THE WORLD TO THE CLASSROOM (EB)**

h-c-a 20 minutes B&W: \$4.15  
Demonstrates the value of the sound motion picture; illustrates the need for proper utilization; and concludes with scenes from various films produced for classroom use in the years 1936 to 1938.

**BRITAIN AND HER EMPIRE (McGH)**

j-h-c-a 15 minutes B&W: \$3.75  
Shows the relationship of England to her colonies, protectorates, and mandates. Highlights the outstanding characteristics of the free and self-governing Dominions and also presents an analysis of the British people and Britain's basic institutions—the Crown and the democratic form of government which functions under it.

**BRITISH FACTORY FOREMAN (IFF)**

general 13 minutes Color: \$4.15  
A day in the life of a contemporary British factory worker which features some salient and controversial aspects of life in modern Great Britain. Socialized medicine and domestic attitudes toward Britain's interests in the Middle East are within the context of the worker's daily sphere of activities.

**BRITISH GUIANA (TFC)**

j-h-c-a 9 minutes B&W: \$1.65  
Scenes photographed in the largest of the three Guianas, including life in Georgetown and pictures of the rice, sugar and gold mining industries. We also see magnificent scenery in British Guiana, one feature of which is Kaieteur Falls—the highest in the world. *Restricted to classroom use.*

**BRITISH ISLES (EB)**

i-j-h 10 minutes B&W: \$2.15  
Provides a graphic survey of the area including England, Ireland, Scotland, and Wales. Surveys representative aspects

of British life and explains how the region has developed as one of the world's most important industrial and commercial centers. Interprets with animated drawings, the geographical factors that have influenced the development, and emphasizes Britain's interdependence with the rest of the world.

**BRITISH ISLES, THE: THE LAND AND THE PEOPLE (C)**

i-j-h 9 minutes B&W: \$2.15, Color: \$3.40  
How do fifty-three million people live on two islands about the size of Idaho and Maine? To understand this is to understand the geography of the British Isles. Key to the answer is the exchange of imports and exports. Through this film, audiences will gain a strong clear concept of how and why the people of the British Isles have made excellent use of their limited space and resources; how they have built their islands into one of the world centers of shipping and trade.

**BRITISH MILL OWNER (McGH)**

i-j-h-c 12 minutes Color: \$4.65  
Depicts the everyday life of William Cox, a woolen merchant and owner of mills on the outskirts of Manchester. Shows his problems in business in keeping up a large house formerly manned by 14 servants.

**BRITISH MONARCHY (UW)**

h-c-a 20 minutes B&W: \$3.95  
Follows the line of British sovereigns and their relationship with Parliament during the past 1100 years—from Egbert to Elizabeth II.

**BRITISH TRADE AND INDUSTRY (UW)**

i-j-h 20 minutes B&W: \$3.15  
Shows London the metropolis, the port, financial headquarters and government seat. After an animated sequence locating industries, resources and transportation, the film takes us to Newcastle and follows the tasks of a British family there.

**BROAD JUMP (C)**

j-h 9 minutes B&W: \$2.15  
Pointers on how to add inches to the jump by proper exercise and how to handle the body during the jump are stressed. The film also covers the hop, step, and jump. Precautions to prevent injury to the athlete in this strenuous event are emphasized throughout the film.

**BROAD STROKE DRAWING (BRF)**

j-h-c-a 11 minutes B&W: \$2.15  
Broad stroke techniques require a knowledge of the broad-edge crayon. As a result of this demonstration, the artist learns the manipulations of the crayon plus the use of paper, shading, and design.

**BROADER CONCEPT OF METHOD, PART I: DEVELOPING PUPIL INTEREST (McGH)**

c 15 minutes B&W: \$3.15  
Presents a frank picture of the conventional teacher-dominated, lesson-hearing recitation, and effects of this method on students are contrasted with the informal group discussion type of class sessions, in which students share in the planning of their work.

**BROADER CONCEPT OF METHOD, PART II: TEACHER AND PUPILS WORKING TOGETHER (McGH)**

c 20 minutes B&W: \$3.15  
Students are shown learning to work together, to organize themselves into functional groups, to make and carry out plans for investigations, and to present their findings and recommendations in a group report. The teacher's role in providing tactful guidance is shown.

**BROKEN APPOINTMENT (MHFB)**

h-c-a 30 minutes B&W: \$5.15  
Tells the story of a young public health nurse who comes to realize the importance of emotional aspects in her work. Because the film gives insight into human motivations, it has a significant message for everyone whose work involves dealing with people and understanding why they behave as they do.

**BROTHER JOHN (UAW-CIO)**

a 11 minutes B&W: \$1.65  
John, a union member, learns the importance of attending union meetings through a visit to the UAW-CIO Education Department. The activities of the department are described.



**BROTHERHOOD OF MAN (BRF)**

j-h-c-a 11 minutes Color: \$3.40

An animated film which emphasizes that differences between human races are superficial, accidental, and environmental. Effective, witty, and positive approach to a serious problem.

**BROTHERS IN BLOOD (TFC)**

j-h-c-a 11 minutes B&W: \$1.65

Carey Wilson goes to a Red Cross Blood Bank to donate his pint of blood. The doctor, an old friend, tells him the story of the origin and development of scientific research that made possible the saving of human lives by blood transfusions as scientists discovered the properties and different types of blood. *Restricted to classroom use.*

**BROWN BEARS GO FISHING (C)**

p 11 minutes Color: \$3.40

A language arts film designed to help children develop vocabulary. It shows Alaskan Brown Bears in their daily activities—fishing, eating, swimming, and caring for their young. Overprints are included on the film, and the narration is repeated to assist the child in grasping the vocabulary.

**BRUCELLOSIS RING TEST (USDA)**

h-c-a 6 minutes Color: \$2.15

Introduces the methods and techniques of a presumptive herd test for Brucellosis. The Brucellosis Ring Test (B.R.T.) is applied to milk samples from dairy herds as a screening procedure to locate herds containing infected animals. The infected herds, once located, are officially blood tested to locate and identify the individual animals.

**BRUSH IN ACTION (IFB)**

i-j-h-c-a 9 minutes B&W: \$2.15

Shows the different kinds of brushes and the different ways that they may be held for the type of work to be done. Illustrates the technique of washing, toning, emphasizing surface texture of the paper, and painting a picture.

**BRUSH TECHNIQUES (EB)**

i-j-h-c-a 11 minutes Color: \$3.40

Shows how water color art can communicate the vivid impression of a landscape. Eliot O'Hara executes a water color sketch of a landscape demonstrating his ingenuity in using but a few brushes to achieve a variety of effects.

**BRUSH TIPS IN WATER COLOR: A LANDSCAPE DEVELOPED (LOCK)**

j-h-c-a 18 minutes Color: \$6.65

Shows the techniques of water color painting as Robert Lockard paints a landscape of a scene in the foothills of the mountains of Colorado. The individuality of the artist as he interprets nature is seen.

**BRUSHING UP ON DIVISION (C)**

i-j 11 minutes B&W: \$2.35

This film presents a review of terms and the meaning of place value, and stresses the importance of knowing the division and multiplication facts. Step-by-step working of division examples will aid the student in improving his skill in division. Checking in division is also reviewed.

**BRUSHING UP ON MULTIPLICATION (C)**

i 11 minutes B&W: \$2.35

Students will gain a better understanding of the processes involved in multiplication as diagrams are used to work several problems. Place values are clearly explained as well as the terms "multiplicand" and "multiplier." Stresses the importance of knowing the multiplication tables.

**BRYCE CANYON NATIONAL PARK (AB)**

j-h-c-a 5 minutes Color: \$1.65

Presents significant features of the park region. Explains the geological background of the area and the forces of nature active there today.

**BRYCE, ZION, AND GRAND CANYON (OF)**

i-j-h-c-a 9 minutes B&W: \$2.25

Depicts the three titanic wonders of America. Shows the Bryce Canyon etched and chiseled by the beauty-creating genius of erosion; the Zion Canyon famous for its strange Altar of Sacrifice, the West Temple and the Great White Throne; and the Grand Canyon that climaxes this inspiring film.

**BUCK CHEESER (COF)**

p 7 minutes Color: \$1.65

Buck takes a rocket to the moon and has a merry journey on the seat of a dream.

**BUENOS AIRES AND MONTEVIDEO (OIAA)**

j-h-c-a 9 minutes Color: \$2.40

A travelogue through the capital cities of Argentina and Uruguay takes us to two modern cities which reflect the spirit and beauty of South America. Color photography opens wide to unfold the exciting events of fiesta time. In addition to the fun festival, South American charm is illustrated in the scenes preceding the affair.

**BUENOS DIAS, CARMELITA (COB)**

j-h-c 18 minutes B&W: \$3.15

Tells the story of pretty Carmelita and her fellow students. The vocabulary, which emphasizes the number and the clock phrases, consists of one hundred and fifty words of the Keniston merit lists. It will be easily understood by the second year student. The narration is carefully and distinctly spoken by a native. The object of this unit is to set astr a desire to use the language and thus to stimulate more purposeful study.

**BUFFALO LORE (SF)**

i-j-h-a 8 minutes B&W: \$2.25

Shows the relation of the buffalo to the American Indians. Includes shots of the rare white bison and a battle between two huge bulls.

**BUG CARNIVAL (UW)**

p-i 10 minutes B&W: \$1.70

Little bugs swarm to see the carnival. A captive spider sees beautiful Minnie Bug, a high trapeze performer. The spider escapes and the bugs are terrified. There is hilarious action in midair.

**BUGS BEETLE (UW)**

p-i 5 minutes B&W: \$1.20

It is dance night in Bugville. The spider licks his chops and captures a girl bug. The boy bugs come to the rescue with the use of vanishing cream which makes them invisible.

**BUILD WITH CONCRETE MASONRY (PCA)**

h-c-a 15 minutes Color: N.C.

Shows buildings made with concrete blocks. Demonstrates how to build walls, how to make mortar, and how to paint the concrete masonry.

**BUILD YOUR VOCABULARY (C)**

j-h-c 10 minutes B&W: \$2.15

Presents the value of vocabulary building by showing a businessman's disadvantage when he is unable to express himself effectively. He learns to keep a personal vocabulary notebook and to observe others' use of words carefully in order to build his vocabulary.

**BUILDING A BOX BEAM SPAR (CAA)**

h-c 21 minutes B&W: \$2.15

Shows how to assemble the parts of the spar in a jig; apply aircraft glue; clamp parts together for a good glue bond; varnish surfaces for protection from moisture; and use jigs for accurate drilling.

**BUILDING A HIGHWAY (EB)**

p-i 10 minutes B&W: \$2.15

Skillfully demonstrates major steps in the construction of a modern, two lane highway. Illustrates such processes as clearing, cutting, scraping, and leveling the roadbed; assembling materials; mixing and dumping the concrete; and smoothing and finishing the surface. Finally reveals the completed highway open to traffic. Emphasizes the necessary skills involved in providing well-built, safe highways for automotive traffic.

**BUILDING A HOUSE (EB)**

p-i 10 minutes B&W: \$2.15

It clearly portrays the basic, step-by-step processes in construction of a low cost, wood-framed, one-family home.

**BUILDING A NATION (ISRAEL) (UW)**

j-h-c-a 21 minutes B&W: \$4.15

Surveys the changes in culture as a result of modern technology. In this semi-arid land, irrigation is shown as the chief problem. Also gives a view of how the Arabs and Jews live, contrasting their two cultures.



**BUILDING A SET (IFB)**

h-c-a 9 minutes B&amp;W: \$2.15

Technician shows steps in construction of a flat from scale drawings.

**BUILDING A WOODEN RIB (CAA)**

h-c 19 minutes B&amp;W: \$2.15

Shows how to assemble, fit, and glue wooden parts in a jig; fit and position the gussets to the framework; how to apply aircraft glue; and how to apply varnish.

**BUILDING AMERICA'S HOUSES (EB)**

j-h 11 minutes B&amp;W: \$2.15

Analyzes reasons for high costs of building and examines the ways in which costs can be reduced.

**BUILDING AN OUTLINE (C)**

j-h 10 minutes B&amp;W: \$2.15

Teaches students that clear thinking, economical expenditure of time, and effective communication with others are the result of orderly planning, and that outlining is merely the writing down of this organization.

**BUILDING BETTER PARAGRAPHS (C)**

i-j 11 minutes B&amp;W: \$2.15

The elements of a good paragraph—having it express only one idea, being sure the topic sentence is interesting, arranging the information in order and having the concluding sentence “finish” the paragraph—are visually presented when several pupils write up for the school paper an experience of one of their classmates, whose dog, Major, won a trophy at a dog show. The audience is encouraged to write other paragraphs, based on the full story they now know.

**BUILDING CHILDREN'S PERSONALITIES WITH CREATIVE DANCE (UC)**

general 30 minutes Color: \$9.40

In teaching dancing to a group of children, the teacher skillfully guides and praises each child toward a unique personal and improvised style, leading them from the point when they are embarrassed and tense to their eventual demonstration of creative expression.

**BUILDING MODEL HOUSES (CREATIVE HANDS SERIES) (IFB)**

general 11 minutes Color: \$2.40

Using familiar materials at hand, a group of children build a community. Plans and layouts are drawn. Houses are cut from cardboard, pasted together, and windows, doors, etc., added. Intended to leave the imagination free to create after stimulating the children's interest and suggesting how to do it.

**BUILDING TECHNIQUES: FOUNDATIONS AND CONCRETE (UW)**

h-c-a 26 minutes B&amp;W: \$3.65

Surveys building foundations, usually made of concrete; and mentions variables which determine the type of foundations to be used.

**BUILDING TECHNIQUES: FRAMING: FLOOR JOISTS AND WALLS (UW)**

h-c-a 30 minutes B&amp;W: \$3.65

Illustrates procedures for constructing walls, floor joists, doors, and windows of a two-story building.

**BUILDING TECHNIQUES: FRAMING: RAFTER PRINCIPLES AND COMMON RAFTERS (UW)**

h-c-a 15 minutes B&amp;W: \$2.65

Illustrates laying out and cutting of rafters.

**BUILDING THE PANAMA CANAL (KB)**

i-j-h-c 10 minutes B&amp;W: \$2.15

Begins with historic scenes of the actual building of the canal. Shows the uniting of the Pacific and Atlantic Oceans and how the locks operate. Concludes with a trip through the canal.

**BUILDING TYPING SKILL (C)**

h-c 11 minutes B&amp;W: \$2.15

In order to type faster one must master relaxation, precise operative control, attention to the copy, control of arms and hands, and confidence in his own performance at top speeds. The slow motion camera catches the details of skill-building exercises.

**BUILDINGS OF MUD (ADOBE) (YA)**

i-j-h 10 minutes B&amp;W: \$2.15, Color: \$3.90

Depicts the history of adobe as a building material from Biblical days to the present. Shows its importance in Southwestern construction and architecture, and demonstrates the process of making adobe bricks.

**BULLETIN BOARDS FOR EFFECTIVE TEACHING (ISU)**

c-a 10 minutes Color: \$2.90

Shows over-all problems of bulletin boards including selection of materials, planning arrangement, use of color, lettering, creation of proper atmosphere, and mechanics of assembly, etc.

**BULLFIGHT, THE (UW)**

p-i 7 minutes B&amp;W: \$1.20

The pup takes his lady friend to a bullfight. The matador becomes angry because the pup steals the show by swinging the bull by the tail.

**BULLY FROG, A (UW)**

p-i 8 minutes B&amp;W: \$1.70

Jimmy Frog who is too big for the little pool tries to be a big shot in the big pool. However, he is soon trimmed down to size.

**BULLY ROMANCE, A (GANDY GOOSE) (UW)**

p-i 8 minutes B&amp;W: \$1.70

While in Mexico, Gandy Goose is enthralled by the Senorita—her guitar, her castanets, and her rhumba. Her papa unlocks the bull and Gandy tries matadoring. Wild comedy ensues as the bull is baffled and beaten.

**BUMA: AFRICAN SCULPTURE SPEAKS (EB)**

h-c-a 9 minutes Color: \$3.40

Presents Central and West African antique sculpture. Portrays many carved wooden statues and masks in which the native African sought protection and reassurance from the dangers and fears of everyday living.

**BURDEN OF TRUTH (USWA)**

h-c-a 67 minutes B&amp;W: \$10.15

The story of a young Negro couple and their struggle for adequate education, work, and housing.

**BUREAU OF AERONAUTICS INDUSTRIAL PLANNING PROGRAM (CAA)**

h-c 19 minutes Color: \$2.15

A strip film made into a moving picture, the film shows the plans made to have tools, men and plants ready for rapid expansion to meet war needs.

**BURIED LOOT (TFC)**

j-h-c 21 minutes B&amp;W: \$2.75

Part of “Crime Does Not Pay” series. A young bank clerk embezzles a large amount of money. He takes his five-to-ten year sentence, expecting to recover the money which he has actually buried after completing his sentence. The film reveals how the money is recovered. *Restricted to classroom use.***BURMA PEOPLE OF THE RIVER (EB)**

i-j-h-a 18 minutes Color: \$4.50

Explores the varied regions and ways of living in the new nation of Burma—the large rivers that serve as highways; the rice fields in the delta and river valleys; the jungle that yields rich harvests of teakwood and bamboo; the colorful village life; and the city of Rangoon, center of commerce; transportation and ancient culture.

**BUS DRIVER (EB)**

p 11 minutes B&amp;W: \$2.15

Work of long distance bus drivers is dramatized in a story of a cross-country trip made by a small boy. Duties of driver are depicted in scenes of driving. Attention is given to safety precautions. Bus terminal and service garage are pictured.

**BUSHY, THE SQUIRREL (BACKGROUND FOR READING AND EXPRESSION) (C)**

p-i 10 minutes Color: \$3.40

One afternoon Stevie spies a squirrel with a beautiful long tail. It scampers quickly away, and Stevie and his father set off to find it. What Stevie discovers in the woods, how he finally makes friends with Bushy, and the things he learns will stimulate reading and story-telling activities about squirrels.



**BUSY HARBOR, THE (C)****p-i** 11 minutes Color: \$3.60

Of all the interesting places to visit, a big busy harbor is probably one of the most fascinating. We go along with Ted and Maria as they visit their friend Captain McKay, a tugboat captain. He explains and shows them some of the many activities going on in the harbor: fishing boats unloading, tugboats pulling barges, cargo ships, a lighthouse, buoys, so much to see and learn. A ride on the Captain's tugboat climaxes the visit.

**BUTTERFLIES (EB)****i-j-h** 10 minutes B&W: \$2.15

Illustrates the complete life history of the cabbage butterfly and the swallowtail butterfly with their different characteristics and habits. Includes their role in nature of aiding in the cross-fertilization of flowers. The destructiveness of the cabbage butterfly as well as its unusual control by a natural enemy is depicted.

**BUTTERFLY, THE (LIFE CYCLE OF AN INSECT) (C)****i-j-h-c** 6 minutes Color: \$2.40

Examines the monarch butterfly as an example of the scaly-winged insects.

**BUTTERFLY BOTANISTS (C)****i-j** 11 minutes Color: \$3.40

Shows the life processes of a typical butterfly, the Monarch, stressing the dependence of larvae on plant food, the stages of development of various species and their methods of hibernating, and finally the economic importance of all butterflies.

**BUTTERFLY MYSTERY (MIS)****i** 11 minutes Color: \$3.20

The interesting pattern of butterfly reproduction is graphically explored. Detailed motion picture studies reveal the four main stages of butterfly reproduction and growth; the laying and development of the egg, hatching of the larva or caterpillar, formation of the pupa or chrysalis, and finally the emergence of a beautiful adult butterfly.

**BY JUPITER (WPP)****j-h-c-a** 31 minutes B&W: \$4.65

Approaches the universal problem of improving the attitude of man toward man. It drives home the theme of "Courtesy Is Contagious" through a blend of fantasy and reality. It reveals the everyday experiences of an ordinary man who learns how to become "wisely selfish" through a miracle worked by a benign Jupiter and his wife, Juno.

**BYZANTINE EMPIRE (C)****j-h** 14 minutes Color: \$4.50

The Byzantine Empire had become, by 750 A.D., the richest and most powerful in the world. The film presents a brief historical outline of the Empire, and indicates its important cultural contributions in the areas of art, religion, and scholarship. Photographed principally in Greece and Turkey, the film captures the richness of mosaic works, icons, and architecture.

**C.P.A. (AICPA)****j-h-c** 29 minutes B&W: \$3.65

Shows a typical day of one certified public accountant and how his influence has contributed toward assisted business decisions.

**CADET CLASSIFICATION (OWI)****h-c** 19 minutes B&W: \$2.15

Only men in top physical condition are selected, and every precaution is taken to make the best crews of pilots, navigators and bombardiers ever assembled. The procedures shown are those of one particular school. Each man is carefully chosen and placed in his job.

**CADET ROUSSELLE (IFB)****j-h-c-a** 7 minutes Color: \$2.80

Two-dimensional puppets designed with great charm animate the old French song of that name which originated as a satire on the affections of the period between the French Revolution and the Napolconic Era. Suitable for beginning, intermediate, and advanced French students.

**CAGE, THE (McGH)****c-a** 27 minutes B&W: \$5.65

Getting the important job and keeping up with the Jones'—are these really man's major goals and are they worth the strain and

tensions that go with them? The film suggests that each man needs to find his own way out of the cage that modern living imposes on everyone.

**CAGED FURY (UW)****i-j-h-c-a** 9 minutes B&W: \$1.70

Amazing close-up scenes of wild animals and huge reptiles fighting for survival in the jungle. Shows the savage instincts of beasts captured and caged for training. A child trainer is seen in a lion's cage in acts packed with suspense.

**CALENDAR, THE: DAYS, WEEKS, MONTHS (C)****p** 10 minutes B&W: \$2.25, Color: \$3.40

Introduces the concept of the calendar and shows the relationship of days to weeks and weeks to months in a delightful story about one little boy who learns how to read the calendar to find out the day that the circus is coming to town.

**CALENDAR, THE: STORY OF ITS DEVELOPMENT (C)****i-h** 10 minutes B&W: \$2.35

Observing the rising and the setting of the sun, the changes of the moon, and the cycles of the seasons, primitive man began devising ways to record the passing of time. The film traces the development of our calendar through Egyptian, Babylonian and Roman cultures outlining the steps that led to the Julian and eventually the Gregorian calendar which is used in most of the world today. The system devised by the Mayan civilization is also examined.

**CALGARY COWBOY STAMPEDE (UW)****i-j-h-a** 9 minutes B&W: \$1.70

A cyclone of action in a thrill-packed movie of the annual Alberta classic. Wild-eyed steers and the meanest creatures from the horse corral vent their fury on the world's best riders. Roping, bulldogging and bruising battles between brute and man, together with a chuck wagon race provide a breath-taking spectacle.

**CALIFORNIA (MO)****i-j-h** 12 minutes Color: \$3.60

Shows the unification of California with the growth of the U.S., acquiring of land grants, etc., development of state's natural resources, principal industries, geographical grandeurs. Also shows the state to be a part of the whole U.S., important as an economic and social unit of a nation built on freedom of enterprise.

**CALIFORNIA (THIS LAND OF OURS SERIES) (IFI)****i-j-h** 10 minutes B&W: \$2.15

Over-all view of the "Golden State," its scenic wonders, agricultural areas, and outstanding industries.

**CALIFORNIA AND ITS NATURAL RESOURCES (USBM)****j-h-c-a** 28 minutes Color: \$2.15

Traces California's history from the days when mission priests found that water could make a green paradise of sandy wastes to early irrigation projects on the San Joaquin and Kings rivers. California's importance as a producer of more than fifty different minerals is revealed. The film also discusses agriculture, industries, and California's scenic splendor.

**CALIFORNIA BOOMTOWN (McGH)****j-h-c-a** 16 minutes B&W: \$3.75

A pictorial record of the city of Los Angeles which presents many problems of city life peculiar to this area of southern California.

**CALIFORNIA MISSIONS (LFI)****j-h-c-a** 10 minutes B&W: \$1.65

The historic civilization outposts of another century were built by the Franciscan Friars who, starting in Old Mexico, erected their places of worship along a thousand mile course, terminating their peaceful conquest of hostile Indians in what is now Los Angeles.

**CALIFORNIA PICTURE BOOK (UW)****i-j-h** 10 minutes B&W: \$2.25

Shows scenes of the mountains, national parks, and other natural beauties as well as the cities and industries of the state.

**CALL OF CANADA (TFC)****general** 10 minutes B&W: \$1.65

A look at war-time Canada; a land noted for scenic grandeur even while making an all-out war effort. Shows the capital at Ottawa, with the changing of the guard in the traditional



manner, sightseeing in Montreal, and the shrine of St. Anne de Beupre. We see also Canadian troops in training, and the peaceful nesting place of the Gannets on Bonaventure Island, only a few miles from all the war-time effort. *Restricted to classroom use.*

### **CALLS THAT CURE (OWI)**

j-h-c-a 10 minutes B&W: \$2.15  
The sick and wounded men in the Halloran Army Hospital have been furnished with telephone facilities. Shows how every provision has been made to make the telephone within reach of all. Especially stressed is the tremendous curative power that results when the wounded and sick are able to get in touch with their families.

### **CAMERA MAGIC (UW)**

j-h-c-a 9 minutes B&W: \$2.25  
Due to the cameraman's magic we see the headless bathing beauty, the Indian rubber girl, and the human fly.

### **CAMOUFLAGE IN NATURE THROUGH FORM AND COLOR MATCHING (C)**

i-j 9 minutes Color: \$3.15  
Shows how animals, birds, and fish protect themselves from their natural enemies by a disguised appearance. Thirty-two species are shown.

### **CAMOUFLAGE IN NATURE THROUGH PATTERN MATCHING (C)**

i-j 8 minutes Color: \$3.15  
Shows how birds, animals, insects, fish, reptiles, and amphibians depend upon the camouflage of pattern to protect them from their enemies.

### **CAMPING WITH THE TROOP (BSA)**

i-j-h 10 minutes B&W: \$1.65  
Shows how a troop planned and carried out its yearly outdoor program under the leadership of its scoutmaster. Scenes include fall, winter, and spring hikes with fathers and sons participating. Describes the long and careful preparation needed for a troop which is going to summer camp.

### **CANADA (MOT)**

j-h-c-a 11 minutes B&W: \$3.00  
Displaying both the historical and geographical aspects of Canada, this film reviews the war-time industrialization, the agriculture and industrial resources, the economy and the culture of our northern neighbor.

### **CANADA CALLING (NFBC)**

h-c-a 18 minutes B&W: \$3.35  
Narrated by Canadian radio commentator John Fisher who briefly reviews the history of radio in the Dominion and its present three-network set-up. The variety of radio fare for Canadians is indicated by excerpts from many favorite programs.

### **CANADA DANCES (NFBC)**

general 9 minutes B&W: \$1.65  
Traditional and present-day dances are seen as the response of group and individual to environmental pressures. The influence of social conditions on dance forms is demonstrated in a survey which ranges from Indian religious dances, through the national and folk dances of pioneers and early settlers, the square dances of rural communities, to the mechanistic individualism of modern jive.

### **CANADA FROM SEA TO SEA (NFBC)**

j-h-c-a 25 minutes Color: \$6.75  
The checkered pattern of Canada, from the Maritime's rocky shores to the mountainous grandeur of the West Coast is seen. In its travels from east to west, the film stops at the principal points of interest in each province, uncovering a wide diversity of landscape, industries, vacation-lands and peoples which colorfully contributes to the changing pace of this vast nation.

### **CANADA: GEOGRAPHY OF THE AMERICAS (C)**

i-j-h 14 minutes B&W: \$2.65, Color: \$5.15  
A survey of the land on our north border. The camera takes us on a trip of the major regions of this land from the West Coast to the East. We see the people, land, and sea regions of this great country. The film stresses, in particular, the great potential of the undeveloped regions of Canada and the possibilities of growth.

### **CANADA: THE ATLANTIC PROVINCES (EB)**

i-j-h 16 minutes B&W: \$3.45  
The Maritime Provinces in relation to the remainder of Canada and the United States. Settlement of the region including migrations to and from the United States. Fishing, fur farming, lumbering, farming, mining, and smelting. Provinces shown are: Nova Scotia, Prince Edward Island, New Brunswick, and Newfoundland.

### **CANADA: THE INDUSTRIAL PROVINCES (EB)**

i-j-h 17 minutes B&W: \$3.45  
This film orients the industrial provinces, Ontario and Quebec, as the heart of the Dominion of Canada. It traces settlement of the region, shows distribution of population, delineates typical activities and shows the relation of this region to the remainder of Canada, to the United States, and other regions of the world. Products and imports are also summarized.

### **CANADA: THE PACIFIC PROVINCE (EB)**

i-j-h 16 minutes B&W: \$3.45  
Describes one of Canada's most rapidly developing areas, the Pacific Province of British Columbia, as well as the region of the relatively undeveloped Yukon Territory. Portrays fishing, lumbering, mining, agriculture, and shipbuilding, and indicates probable future development of valuable resources.

### **CANADA: THE PRAIRIE PROVINCES (AND THE NORTHWEST TERRITORIES) (EB)**

i-j-h 19 minutes B&W: \$3.45  
Surveys Canada's three Prairie Provinces: Manitoba, Saskatchewan, and Alberta. Describes the recent oil discoveries, which are vying in importance with the traditional wheat production of the region. The film shows the growing industries in the cities of the region.

### **CANADIAN BOOM (McGH)**

j-h-c-a 25 minutes B&W: \$4.90  
Takes note of the tremendous industrial growth of Canada since the close of World War II. Shows that Canada is now one of the industrial ranking powers of the world. Visits industrial centers, including the famous nitrates producing plant, and shows how Canada's steel, coal, lumber, and paper industries have soared as the country has been able to utilize more of its tremendous natural resources.

### **CANADIAN MOUNTIES (McGH)**

h-c-a 17 minutes B&W: \$3.85  
Canadian law enforcement is regulated by the Canadian Mounted Police, who travel the length and width of Canada to bring lawbreakers to justice.

### **CANADIAN WHEAT STORY (McGH)**

j-h 9 minutes B&W: \$1.65  
A Canadian Film Board production which tells the story of Canadian wheat, from its growth and harvesting on the farm to the milling of flour and baking of bread.

### **CANADA'S NEW FARMLAND (ALBERTA PEACE RIVER DISTRICT) (UW)**

i-j-h 22 minutes B&W: \$3.15  
The principles which govern the development of new frontiers are clearly set forth in this picture. We observe two young Norwegians, who fought in the Canadian Army, begin the development of their new lands. Clearing the land, planting crops, and taking part in the life of the new community, these young men are typical of the people who push the boundaries of our civilization ever outward to new frontiers. Contrasted to the life of these boys, the film presents the more settled life in the growing town and on the farm of Mr. and Mrs. Watson, two of the earlier settlers.

### **CANADA'S ROYAL CANADIAN MOUNTED POLICE (EB)**

i-j-h-c-a 16 minutes Color: \$5.60  
Dramatizes the life and work of the Mounties—from routine police work to bold adventure. Shows the importance of a fine police force to a community or nation. Follows an RCMP recruit through all phases of training. Film takes us from a training center in Ottawa to Baffin Island in the Arctic, from the barren coasts of Newfoundland to an alley in Montreal.

### **CANALS OF ENGLAND (EB)**

i-j-h 11 minutes B&W: \$2.15  
Presents the development of water transportation on England's Grand Union Canal. Contrasts this waterway's present com-



mercial significance with its importance before modern development of railroad, automotive and plane transportation. Includes a sequence on the "home" life of canal boat families.

### CANCER (EB)

j-h-c-a 12 minutes Color: \$3.40  
A timely film explaining the basic facts that everyone should know about cancer. Describes the nature of cancer, the widespread necessity for constant vigilance in the detection and subsequent treatment of cancer.

### CANCER: A RESEARCH STORY (ACS)

j-h-c-a 31 minutes Color: \$2.15  
An exceptionally interesting film showing the history of cancer research. One of the main problems in this field has been whether or not cancer is inherited. By long and continuous experiments in the field of genetics the answer has finally been found.

### CANDLE MAKING (AB)

i-j 10 minutes B&W: \$2.15  
The art of candle making by a pioneer family is portrayed in this film. The entire process of candle making is presented step-by-step with each member of the family doing particular tasks.

### CANDY TOWN (OF)

p-i 6 minutes B&W: \$2.15  
A boy and girl take a trip to the moon. They have a wonderful time for they discover the moon is made of lollipop posts and peppermint canes.

### CANINE EYES FOR THE BLIND (HFE)

j-h-c 10 minutes B&W: \$2.15  
A magnificent story of the "seeing eye" dogs who provide a new way of life for hundreds of blind people. In this picture we follow a group of young dogs through every step of their training until they are accepted as leaders of the blind, and are given a blind master.

### CANYON COUNTRY (FMC)

j-h-c-a 14 minutes Color: \$2.80  
This is one of America's most breathtaking natural phenomena. The canyon's rock formations are shown in all their magnificent colors, and the narrator tells how a huge plateau was seven times submerged under prehistoric oceans, rising finally to form the eight-mile-wide gorge. Other marvels shown include the Petrified Forest, the Painted Desert, the canyon flowers transformed by rain from grey cacti into a garden of seven hundred varieties, and an exciting boat trip on the turbulent Colorado River.

### CAPACITANCE (RADIO TECHNICIAN TRAINING) (CAA)

h-c 30 minutes B&W: \$2.15  
Demonstrates the flow of electrons through a circuit and shows the charging and discharging of condensers. The variations of a charge on a condenser in relation to time and the behavior of capacitance with alternating current are discussed.

### CAPITALISM (C)

h-c 10 minutes B&W: \$2.15  
Shows some important aspects of the capitalistic system—private property, profit, competition, freedom of contract, and free enterprise. A high school radio forum provides an opportunity to listen to the conflicting opinions concerning our system.

### CAPTAIN BROWN, HARBOR PILOT (F)

i-j 11 minutes Color: \$3.15  
Story of the harbor pilots who meet the ships and steer them safely to their docks. During low visibility ships must wait until it is safe for them to come into the harbor. Pilots use modern equipment to aid the ships such as the lighting equipment at the harbor entrance. Several large harbors are shown, each with its own special navigational problems. Captain Brown, a former ship captain, works with the ships to bring the tugboats alongside them and navigate them. Bob Gaffner goes along with Captain Brown to the ship. A freighter that tried to dock without a pilot is shown as it rammed its stern into the wharf.

### CAPTAIN JOHN SMITH (FOUNDER OF VIRGINIA) (EB)

i-j-h 19 minutes B&W: \$4.15  
Re-creates the problems of the men who formed the first permanent English settlement in the New World. The people of Jamestown faced many hardships—Indian attacks, starvation,

disease—but under the leadership of Captain John Smith the colonists worked together to build shelters and to establish trade with the Indians. Smith's capture by the Indians and his release from them through the efforts of Pocahontas is also shown.

### CAPTAINS COURAGEOUS: FISHHOOK SEQUENCE (TFC)

i-j-h-c 11 minutes B&W: \$1.65  
Story of a Portuguese fisherman who rescues a ten-year-old boy from drowning and keeps him aboard a fishing schooner. The fisherman teaches the boy the value of fair play in his dealings with others. An excellent adult guidance of a child when he does something wrong. *Restricted to Classroom Use.*

### CAPTAINS COURAGEOUS: SCHOOL SEQUENCE (TFC)

i-j-h-c 12 minutes B&W: \$1.65  
A schoolboy, son of a rich father, tries to rule the faculty and his schoolmates by bribery and threats. When he is punished for flagrant bad behavior he runs away and complains to his father of cruel treatment. The father learns the truth, and sees that his absorption with business is partly the cause of his son's difficulties. *Restricted to Classroom Use.*

### CAPTURE OF JOHN WILKES BOOTH, THE (YOU ARE THERE) (CBS)

j-h-c-a 27 minutes B&W: \$5.65  
April 25, 1865, President Lincoln's assassin was captured and executed at the Garrett farm near Port Royal, Virginia. A vainglorious man dies after attempting to alter history.

### CARAVANS OF TRADE (EB)

i-j-h 18 minutes B&W: \$3.65  
Depicts how people in our nation meet others through travel, and exchange goods and service through transportation.

### CARBON AND ITS COMPOUNDS (C)

h-c 10 minutes B&W: \$2.15, Color: \$3.40  
A diamond, a pencil, and a chunk of charcoal. Beginning with these familiar objects, the film explains carbon's simple compounds and introduces hydrocarbons and the more complex chain and ring compounds. Emphasizes the tremendous importance of carbon in our domestic and industrial worlds.

### CARBON FOURTEEN (EB)

h-c-a 12 minutes B&W: \$2.40  
Explains the use of radiocarbon (carbon 14) as a means of determining the age of historic and prehistoric objects. Shows how it is being used to study the process of photosynthesis and describes experiments at the Argonne National Laboratory to study the effect of radiation upon plants.

### CARBON-OXYGEN CYCLE (EB) (SILENT)

i-j-h-c 15 minutes B&W: \$1.65  
Presents use of carbon in fuel and food, and the function of oxygen in releasing energy and carbon dioxide.

### CARE AND USE OF HAND TOOLS: HAMMER (UW)

j-h-a 10 minutes B&W: \$1.65  
Explains the proper handling of various types of hammers.

### CARE OF ART MATERIALS (YA)

p-i-j 11 minutes B&W: \$2.15  
An animated film designed to promote greater interest and care in the handling of art materials. Discusses care and use of such common tools as brushes, paints, chalk and crayons, scissors, paste and glue, and clay.

### CARE OF CHILDREN OF WORKING MOTHERS (OWI)

h-c 30 minutes B&W: \$2.15  
Depicts a typical day in a nursery school. Helen Hayes, as commentator, emphasizes the advantages which the nursery school offers for the care of children of working mothers—safe and wholesome fun, wise guidance in the art of learning to do for one's self and in helping others, a well-planned daily program including indoor and outdoor play, nourishing food, rest periods, and health supervision. It shows working mothers what a child-care center is and how it operates.

### CARE OF HAIR AND NAILS (EB)

p-i-j 11 minutes B&W: \$2.15  
A fairy tale character shows youngsters how to clean and manicure fingernails, how to trim toenails, and how to shampoo and brush the hair. She lets them see some common diseases of the scalp and uses animated drawings to show the structure of hair and nails, and to explain why their care is important.



**CARE OF PETS (EB)**

**p-i** 10 minutes **B&W: \$2.15**  
 The proper care of various household pets is dramatized in this film. Bob demonstrates that a boy can attend to the special requirements of strange tropical fish. The sleek coat and good manners of Tippy, the cat, are indicative of the care and kindness of his mistress. This is more than an authentic and enchanting study of the care of pets. It is an experience of worthy home membership.

**CARE OF THE CAR (DRIVER EDUCATION) (FMC)**

**h-c-a** 13 minutes **B&W: \$1.65**  
 One of the Ford Motor Company's series on driver education. Intended primarily for use in high school driver education courses to supplement classroom study and on-the-road training. Describes the proper steps in the procedure of taking care of a car.

**CARE OF THE FEET, THE (EB)**

**j-h** 11 minutes **B&W: \$2.15**  
 Emphasizes the extreme importance of good foot care, and points out the tragic results of ill-fitting shoes. Diagrams shown on the bones and muscles of the feet serve to simplify and make plain the reasons why great care should be used in selecting good shoes and in exercising the feet to make them strong.

**CARE OF THE NEW-BORN BABY (UW)**

**h-c-a** 31 minutes **B&W: \$3.90**  
 Instruction to parents in the ways of holding, dressing, feeding and bathing the new baby is demonstrated. Scenes in the prenatal clinic, the hospital, and the home portray the role of the nurse in teaching the parents.

**CARE OF THE SKIN (EB)**

**p-i-j** 11 minutes **B&W: \$2.15**  
 Demonstrates the good habits of skin hygiene which every child should form. Portrays three attractive children as they prepare for bed, showing the proper way to wash hands and face, to clean the nails, and to bathe. Common skin ailments are illustrated. Animated drawings describe the structure of the skin and explain why soap is necessary for cleanliness.

**CAREER IN BACTERIOLOGY, A (IU)**

**j-h-c** 15 minutes **B&W: \$3.15**  
 Designed to develop an interest in bacteriology as a field of career. Shows the studies in bacteriology pursued by college students, and presents the various vocational opportunities in this subject area. Stresses the significant roles played by micro-organisms in the biological world.

**CAREERS FOR GIRLS (McGH)**

**j-h-c-a** 18 minutes **B&W: \$3.40**  
 Explores personal aptitudes and capacities of women for various types of vocations. Reviews the successful careers of many women and shows the kinds of training necessary for these fields.

**CAREERS IN AGRICULTURE (C)**

**j-h-c** 11 minutes **Color: \$4.15**  
 Shows the many careers in agriculture; opportunities in the areas of crop and livestock farming, agricultural research, industry, conservation, and services; and agricultural communication and education.

**CAREERS IN RECREATION (AI)**

**h-c-a** 25 minutes **Color: \$7.40**  
 Depicts some of the duties of recreational leaders in various social areas such as civilian, military, hospital and industrial communities. Explains the unlimited opportunities of making recreation a career for young men and women.

**CAREERS IN THE BUILDING TRADES (C)**

**j-h** 11 minutes **B&W: \$2.25**  
 On a construction site, Bob observes the carpenter, plumber, bricklayer, electrician, painter, plasterer, and glazier at work. He discovers that his interests and aptitudes fit him for a vocation in the building trades and, when he returns to school, finds that each of his subjects will contribute to this future work.

**CARIBBEAN (EB)**

**i-j-h** 28 minutes **B&W: \$4.85**  
 The islands of the West Indies extend throughout the Caribbean Sea. These islands are known to the world for their

exports of sugar and cigars, gold and rum, spices, cocoa, and bananas. The film gives a closer look at the islands—their ancient customs, their varying populations, and the modern problems of health, housing, and education.

**CARIBBEAN HOLIDAY (UW)**

**j-h-c-a** 9 minutes **B&W: \$2.25**  
 Pictures the ancient towns and harbors of the islands of the West Indies.

**CARIBBEAN SKY CRUISE (THIS WORLD OF OURS SERIES) (IFI)**

**i-j-h** 9 minutes **B&W: \$2.15**  
 The playground of the Caribbean—the islands of the Atlantic Ocean and the Gulf of Mexico—provide a place of pleasure and relaxation for the tourists. On our trip from island to island, we see the people and points of interest which best show the contrast between the old and romantic past, and the new and modern present. Our trip takes us from Havana, to Jamaica, Port-au-Prince, Haiti, and finally to Puerto Rico. The relics of the past and the industry of the present provide the educational interest, while the many modern hotels and resorts provide the relaxation.

**CARING FOR YOUR TOYS (McGH)**

**p-i** 13 minutes **B&W: \$2.15**  
 Shows the child how to care for his toys and the best methods for storing indoor toys, outdoor toys, and water toys.

**CARL SANDBURG (WISDOM SERIES) (EB-NBC)**

**h-c-a** 28 minutes **B&W: \$6.15**  
 The famous American poet, biographer of Lincoln, and twice-winner of the Pulitzer Prize, plays his guitar and sings folk songs in a style no less familiar than his gift for poetry. He recalls some of his adventures as a newspaper reporter, and speaks with gentle and heart-warming eloquence of his lifelong dedication to his writings on the life of Lincoln.

**CARL SANDBURG DISCUSSES HIS WORK (C)**

**h-c-a** 13½ minutes **B&W: \$3.15**  
 In this interview filmed at his home on Connemara Farm in North Carolina, we meet Carl Sandburg, poet, philosopher, historian, and biographer. We gain a fascinating insight into the character of this great American as he speaks of his early years, his struggle to gain fame, and his philosophy. He comments on his writing, and reads selected passages from *The People*, *Yes* and *Remembrance Rock*.

**CARL SANDBURG DISCUSSES LINCOLN (C)**

**j-h** 11 minutes **B&W: \$2.35**  
 In this interview with Edward R. Murrow, Carl Sandburg, the great poet and Lincoln scholar, speaks of the Abraham Lincoln he has come to know so intimately. He tells how he used the personal recollections of others, of his having lived in the historic Illinois countryside where Lincoln spent his early years, and of his tremendous research on the monumental, Pulitzer Prize winning biography of Lincoln.

**CARMEN (OF)**

**j-h-c-a** 19 minutes **B&W: \$4.15**  
 Abridged version of the Bizet opera, filmed in the Rome Opera House. Continuity is maintained and the most important musical passages are included. Cloe Elmo and Tito Gobbi are featured. Music critic Olin Downes serves as narrator.

**CARNIVAL COMES TO TOWN (C)**

**p-i** 10 minutes **Color: \$3.40**  
 As the carnival rides are put together, Sally, Bob, and Peter watch excitedly. After all the rides are put together, the carnival remains dark because of the missing truck which contains the electrical equipment. Finally, the arrival of the truck signals the opening of the carnival. Teachers may use this as a basis for reading, storytelling, and arts and crafts.

**CARNIVAL IN QUEBEC (NFBC)**

**general** 17 minutes **Color: \$2.15**  
 A colorful record of Quebec City's winter carnival. Displays fine examples of snow sculpture, pageants, parades, sporting events, a torch light parade on skis, folk dancing, and fireworks in the festival.

**CARNIVOROUS PLANTS (MIS)**

**j-h-c-a** 11 minutes **Color: \$3.40**  
 Shows the unusual structure and behavior of the Venus' flytrap, trumpet plant, cobra plant, pitcher plant, sundew plant and the utricularia.



## **CARNOT CYCLE (KELVIN TEMPERATURE SCALE) (PHYSICS SERIES) (McGH)**

**c** 9 minutes **B&W: \$2.15**  
The four ideal processes constituting the Carnot cycle are explained by the motion of a piston in a cylinder along with a moving point on a pressure-volume diagram. The heats absorbed and rejected respectively during the cycle are displayed graphically and used to define the Kelvin temperature scale. The efficiency of a Carnot engine is discussed in terms of the Kelvin temperature of the source and of the reservoir.

## **CAROL OF HARVEST (H)**

**h-c-a** 10 minutes **Color: \$3.40**  
A scenic background for the poetry of Walt Whitman. Includes a short biographical sketch of the poet.

## **CARPET UNDER EVERY CLASSROOM (MAH)**

**h-c-a** 13 minutes **B&W: \$3.65**  
How the school library can work with teachers and students in the development of assignments, research, and as a resource center.

## **CASH IN ON CORN (NFA)**

**c-a** 17 minutes **Color: \$2.15**  
Field photographs and cartoon illustrations are used to show how to increase the corn yield to at least 100 bushels per acre.

## **CASTILLOS EN ESPAÑA (IFB)**

**h-c** 10 minutes **Color: \$3.40**  
The colorful history of medieval Spain is commemorated in the many castles which gave Castile its name. The Alcázar near Segovia, Peñafiel, Simancas, La Mota, Bellver in Mallorca, and Moorish Alhambra give mute but powerful testimony to the grandeur that was Spain when kings, dukes, and princes ruled. Several historic monasteries are also shown. With few exceptions, narration is restricted to Keniston's "A Standard List of Spanish Words and Idioms."

## **CASUALTY INSURANCE (EB)**

**h-c-a** 20 minutes **B&W: \$4.15, Color: \$6.65**  
A vivid survey of the daily hazards covered by casualty insurance, including a story of one policyholder's auto crash and trial and how it involved the services of the insurance company. Stresses the value of research by insurance companies to prevent future accidents. Reviews a number of career opportunities in this field.

## **CATALYSIS (EB)**

**j-h** 10 minutes **B&W: \$2.15**  
Explains several phenomena associated with catalysis, including concentration by absorption, activation by absorption, intermediate compounds in a homogeneous mixture, chain reactions, breaking of reaction chains, poisoning of catalysis, and negative catalysts or inhibitors. The practical applications used as a basis for explanations are rubber manufacturing and anti-knock gasoline.

## **CATCHING, FILLETING AND PACKAGING FISH (USDA)**

**h-c-a** 14 minutes **Color: \$2.15**  
Explains commercial fishing operations including trawling, processing by filleting, packaging and freezing fish for shipment to market.

## **CATCHING FUNDAMENTALS (C)**

**j-h-c** 10 minutes **B&W: \$2.15**  
Here's big leaguer Mike Tresh to demonstrate good catching. He shows such fundamentals as how to crouch and signal, how to throw the ball, how to catch the pitch, field fouls, back up first base, etc. He demonstrates the skill and strategy that can make a catcher the team's most valuable player.

## **CATCHING IN BASEBALL (EB)**

**j-h** 9 minutes **B&W: \$2.15**  
Professional baseball players demonstrate effective techniques for catching the thrown ball, the high-batted ball, and the ground ball. Slow-motion, stop-motion, and close-up photography make possible a careful study of each of the techniques demonstrated. Emphasizes the need for constant practice.

## **CATHEDRAL OF CHARTRES (P)**

**h-c-a** 12 minutes **B&W: \$1.50**  
The Cathedral of Chartres is shown as an achievement in art and architecture.

## **CATHODE-RAY OSCILLOSCOPE (CAA)**

**h-c-a** 22 minutes **B&W: \$2.15**  
Shows, through animation and drawings, the parts of the cathode-ray oscilloscope, and its operation and actual use for checking electrical circuits. Indicates the limitations of the ammeter and voltmeter for showing accurate instantaneous current and voltage variations.

## **CATHODE RAY TUBE, THE: HOW IT WORKS (CAA)**

**h-c** 17 minutes **B&W: \$2.15**  
Demonstrates the construction and function of each part of the cathode ray tube and how it produces visual images on a screen. Explains electromagnetic deflection and how varied currents affect the position of the spot of light on the scope.

## **CATTLE AND THE CORN BELT—MIDWEST, U.S.A. (UW)**

**j-h-c** 19 minutes **B&W: \$4.15**  
In this film, we learn how the people who live and work on the vast areas of level land which constitute our midwestern plains produce large quantities of food for the peoples of the world, and feed for livestock. In the western part, where the rainfall is lighter and less dependable, the grasslands are used for grazing livestock which is later shipped eastward to the moister section of the Central States commonly referred to as the Corn Belt. Here a mixed type of agriculture is dominant. Cattle and hogs are fattened for market on corn and other crops raised on the farm. As a result of these agricultural activities the Central States have millions of people and many large cities.

## **CATTLE COUNTRY (McGH)**

**i-j-h** 9 minutes **B&W: \$2.15**  
Deals with modern cattle ranching in Western Canada. Indicates that cattle raising is big business in Canada, and emphasizes scientific feeding and care.

## **CATTLE COUNTRY (UPRR)**

**h-c-a** 25 minutes **Color: \$2.15**  
An animated film designed to furnish an up-to-date summary on the science of beef production.

## **CATTLE DRIVE (EB)**

**p-i-j** 10 minutes **Color: \$3.40**  
Here is an account of a cattle drive in the Southwest, portraying the movement of cattle from the range to the shipping point. The cattle drive is an important aspect of cattle raising and of similar importance in providing us with food. The cowboy at work and at rest becomes part of the great saga of Western cattle in the film.

## **CATTLEMAN, THE (EB)**

**i-j** 11 minutes **B&W: \$2.15**  
Life on a cattle ranch in a typical setting is shown by this production. The activities of the family and its hired helpers are portrayed in realistic detail. Mealtime, repairing fences, herding cattle, marketing experiences, showing and breaking horses, rounding up, and dipping and shipping cattle are among the colorful scenes presented. Cowboy songs sung around the campfire during the roundup provide a rich atmospheric setting.

## **CAUGHT MAPPING (JH)**

**i-j** 9 minutes **B&W: \$2.15**  
Maps are made by a cartographer who must understand basic principles of the trade. In this short, the cartographer explains how to keep a road map up-to-date.

## **CAUSE FOR ALARM (NSC)**

**h-c-a** 10 minutes **B&W: \$2.15**  
Gives a step-by-step description of what to do in case of fire; explains the difference between class A, class B, and class C fires; pictures the most common type of fire extinguishers, telling how to use each and what type of extinguisher to use for each type of fire.

## **CAUSES AND IMMEDIATE EFFECTS OF THE FIRST WORLD WAR, THE (IG)**

**j-h-c-a** 22 minutes **B&W: \$3.65**  
In an unbiased manner, the film tells the story of the First World War, outlining the causal factors from 1879 to the start of the war; then presenting the course of the war. Animated maps show the terms of the Treaty of Versailles, and scenes show the continuing war in Greece and Turkey and the establishment of the instigators of the Second World War.

## **CAUTION, DANGER AHEAD (McGH)**

**j-h-c-a** 17 minutes **B&W: \$3.85**  
Traces the development of our road system and points out the need for a highway program to build more and better roads all over the nation.



**CAVALCADE OF AMERICAN PRESIDENTS (OF)**

j-h-c-a 10 minutes B&amp;W: \$1.65

Significant events during the term of office of American Presidents from William McKinley to Franklin D. Roosevelt.

**CAVE COMMUNITY, THE (EB)**

h-c 13 minutes Color: \$5.00

Scientists have found important opportunities for biological research in the cave community because of its relatively unchanging physical environment and isolation. Of special interest are the organisms whose evolutionary modifications make it possible for them to live in the cave but impossible to live elsewhere. The film explains such modifications and shows how they are often accompanied by a compensatory trait.

**CAVE DWELLERS OF THE OLD STONE AGE (EB)**

i-j-h 18 minutes B&amp;W: \$3.95

The story of the cave man's life is recreated from an assortment of clues—skeletons, artifacts, and vivid cave paintings—which reveal his methods of hunting, fishing, and making the tools and weapons he needed to survive. This film was produced in the Dordogne region of southwestern France, where the cave of the Cro-Magnon man was discovered.

**CECROPIA MOTH (DFP)**

i 10 minutes Color: \$3.40

Insects life cycles are short compared to man's life. In this interesting biological study, the camera unfolds the life history of the moth.

**CEILING UNLIMITED (CAA)**

j-h-c 29 minutes B&amp;W: \$2.15

Depicts the historical growth of aviation, and in the light of the growth of other modes of transportation anticipates that the number of planes will reach 500,000 by 1950. Film attempts to awaken communities to prepare for this anticipated growth by constructing airports and other necessary facilities. Also, shows how communities may decide whether or not to participate in the Federal Airport Plan.

**CELESTIAL NAVIGATION: CHARTS (USN)**

h-c 20 minutes B&amp;W: \$2.15

Pictures, maps, diagrams, and a sound commentary are used in this film to explain Mercator charts, gnomonic projections. It is a highly technical treatment.

**CELESTIAL NAVIGATION: INTERPRETATIONS OF BEARINGS, LINES OF POSITION AND FIXES (CAA)**

c 19 minutes B&amp;W: \$2.15

Defines bearing, line of position, circle of equal altitude, fix and intercept, plotting of assumed position and intercept, and selection of celestial bodies for observation.

**CELESTIAL NAVIGATION: LATITUDE BY POLARIS (CAA)**

c 10 minutes B&amp;W: \$2.15

Shows relationship between latitude and elevated pole, position and diurnal path of Polaris, and reduction of altitude of elevated pole. The methods of solution of the altitude of Polaris by mathematical formula and the use of tables are described.

**CELESTIAL NAVIGATION: LOCATION POINTS ON THE CELESTIAL SPHERE (UW)**

h-c 17 minutes B&amp;W: \$2.15

Deals with the basic principles of the location of points on the celestial sphere. Presents various uses of celestial navigation. Diagrams are used to explain the relationship between the earth and the celestial sphere, and to define zenith, nadir, sidereal hour angle, local hour angle, and bubble horizon.

**CELESTIAL NAVIGATION: NAUTICAL ASTRONOMY (UW)**

c 22 minutes B&amp;W: \$2.15

Animation is used to explain how the celestial coordinates are placed in relation to the earth, and how declination, zenith point, nadir line, and the June and September solstices are used in celestial navigation.

**CELESTIAL NAVIGATION: POSITION FINDING ON THE EARTH (CAA)**

h-c 17 minutes B&amp;W: \$2.65

Discusses geographical position, Greenwich hour angle, local hour angle, relationship of hour angle to longitude, zenith distance and its relationship to altitude, circle of position, line of position, fix, relation of assumed to actual position, and intercept.

**CELESTIAL NAVIGATION: SOLUTIONS OF ILLUSTRATIVE PROBLEMS (USAF)**

c 30 minutes B&amp;W: \$4.00

Preflight computations and procedures in making a typical flight celestial navigation. Shows use of the sextant in shooting the stars, and plotting fixes by means of H. O.-218, and the star altitude curves methods.

**CELESTIAL NAVIGATION: THE EARTH (USN)**

j-h-c 16 minutes B&amp;W: \$2.15

Explains in a nontechnical way the positions and significance of the lines of latitude and longitude on the earth.

**CELESTIAL NAVIGATION: THE LINK AIRCRAFT SEXTANT (CAA)**

c-a 17 minutes B&amp;W: \$2.15

Describes the operation and construction of this sextant and how it is used to advantage by the navigator. Demonstrates the proper use and how to make minor repairs and adjustments for accuracy.

**CELESTIAL NAVIGATION: TIME (USAF)**

c 10 minutes B&amp;W: \$2.15

Explains various time elements in celestial navigation which are used in solving practical exercises.

**CELL—STRUCTURAL UNIT OF LIFE (C)**

j-h 10 minutes B&amp;W: \$2.15, Color: \$3.40

Gives an example of a simple living cell. Presents the living protoplasm in a leaf cell and an amoeba taking food, growing and dividing. Points out the functional differences in cell structure.

**CELL DIVISION—THE BASIS OF GROWTH IN ALL LIVING THINGS (ATB)**

h-c-a 10 minutes B&amp;W: \$2.35

The living cell, suspended in liquid medium, is shown in its development through a 21-hour division cycle. In its course the nucleus is identified and the formation and movements of chromosomes are shown. We see the dissolution of the nuclear wall, the spindle formation, the assembly and separation of the chromosomes at the equatorial plate and the division of the parent cell and formation of new cells.

**CELLO CONCERT (SF)**

h-c-a 10 minutes B&amp;W: \$2.45

Three works played by an American artist, Leonard Rose: A *Sonatina* by Haydn, the Schumann *Traumeri*, and an aria from Bach.

**CELLS AND THEIR FUNCTIONS (ATH)**

j-h-c 14 minutes B&amp;W: \$2.70

The activities of a number of kinds of cells are illustrated including mitosis or cell division, beating cilia, blood cells engulfing bacteria, and the proliferation and growth of cardiac and other tissue. Includes techniques and examples of tissue culture.

**CELLULOID COLLEGE (SF)**

j-h-c-a 30 minutes B&amp;W: \$4.95

Shows how to make motion pictures including panning, using the tripod, shot breakdown, screen direction, matching action, newsreel technique and build-up. At the end, a playlet is given incorporating all of the techniques previously emphasized.

**CENTERING SMALL STOCK (UW)**

h-c-a 11 minutes B&amp;W: \$1.65

Shows the tools and methods used when locating the center of round, square, and rectangular pieces of stock.

**CENTRAL AMERICA (EB)**

i-j-h 10 minutes B&amp;W: \$2.15

Describes physical characteristics of Central America, its political organization into independent states, its major industrial and agricultural pursuits, and the nature and heritage of a people still reflecting an ancient Indian culture.

**CENTRAL AMERICA: GEOGRAPHY OF THE AMERICAS (C)**

i-j-h 10 minutes Color: \$3.40

Presents a view of the six Central American Republics: Costa Rica, El Salvador, Guatemala, Nicaragua, and Panama and the one European possession, British Honduras. The three



main topographical regions are described in relationship to their climates, the trade crops and the climatic effects on the inhabitants. Spanish influences and the economic importance of the Panama Canal and other Central American seaports are discussed.

## **CENTRALIZATION AND DECENTRALIZATION (EB)**

**h-c-a** 18 minutes **B&W: \$4.15**

Depicts the problem created by the gradual transfer of decision-making from local communities to centralized bodies operating at state and national levels. Points out that citizens today face the serious problem of preserving local freedom and initiative and at the same time centralizing control wherever necessary. Suggests the need for preserving a balance between local and central authority.

## **CENTRE, THE (BIS)**

**c-a** 24 minutes **B&W: \$3.55**

The pioneer Health Centre at Peckham, England, was started before the war by private initiative and funds. It is designed and equipped as a club where the whole family can go to enjoy their leisure hours. Uniquely, the Centre is a study in social biology, for the directors and staff are biologists who study the patterns of family behavior and their results.

## **CENTRIFUGAL FORCE (JUNIOR SCIENCE SERIES) (McGH)**

**j-h** 11 minutes **B&W: \$2.15**

Illustrates centrifugal force by explaining why objects move in circular paths when whirled on a string, how a cowboy spins a lariat, why curved roads are banked, and why the earth has a bulge at its center. Two simple experiments are shown: how to lift a heavy object with a light one and how to turn over a can of water without spilling a drop.

## **CEYLON (THIS WORLD OF OURS SERIES) (IFI)**

**i-j-h** 9 minutes **Color: \$2.65**

The island of Ceylon beautifully filmed in all its aspects, modern and ancient Indian jungle and modern cities stand side by side in this story of the exotic land off the coast of India.

## **CHAIN OF LIFE (PFC)**

**j-h-c-a** 11 minutes **Color: \$3.40**

Nature's method of making food chains which tie together all the living creatures in a community. Includes scenes of environment, close-ups of tadpoles eating algae, crawfish catching and eating tadpoles, links in the food chain through green bass, fish eggs, turtle eggs, snakes, raccoons, alligators.

## **CHALK AND CHALKBOARDS (BFS)**

**c-a** 16 minutes **Color: \$5.15**

This film discusses the physical properties of chalk and chalkboards, one of the oldest and most effective teaching aids, showing what they are made of and demonstrating how they should be cared for to obtain the best results. Explains many techniques which can be used on all grade levels to improve everyday teaching.

## **CHALKBOARD UTILIZATION (McGH)**

**c-a** 16 minutes **B&W: \$3.65**

Shows how the teacher can add interest to the teaching situation by means of a number of techniques in chalkboard utilization. Includes stick figures and various methods of transferring drawings to the chalkboard.

## **CHALLENGE OF THE OCEANS (PLANET EARTH SERIES) (McGH)**

**j-h** 30 minutes **Color: \$7.00**

The physical aspects of the ocean are examined, including the variety of currents in the ocean, the relationship of the dynamics of the oceans to weather and climate, and the composition of ocean waters. The life cycle in the oceans is sketched. Topography and composition of ocean bottoms is delineated, and the structure and content of the sediments are portrayed.

## **CHALLENGE: SCIENCE AGAINST CANCER (IFB)**

**h-c-a** 33 minutes **B&W: \$5.65**

Shows the research now being carried on to discover the cause, development and cure for cancer. A secondary purpose of the film is the recruitment of high school and college students into scientific work.

## **CHAMBERLAIN AT MUNICH (YOU ARE THERE) (CBS)**

**j-h-c-a** 27 minutes **B&W: \$5.65**

In the final months before the outbreak of hostilities, Neville Chamberlain met at Munich with Adolph Hitler and Benito Mussolini to try to solve Europe's problems of aggression. The Munich Pact is signed by the leaders; Chamberlain believes it is "Peace in Our Time" but Hitler violates the pact to plunge Europe into war.

## **CHAMPION, THE (OF)**

**j-h-c-a** 10 minutes **B&W: \$1.65**

Features Charlie Chaplin in a title-defending bout that contains boxing technique unique in sports annals. Complications include the efforts of a crooked promoter to fix the fight. The sound track contains piano music and a commentary that points up the action.

## **CHAMPIONSHIP BASKETBALL (OF)**

**j-h-c-a** 9 minutes **B&W: \$1.70**

Plays by the nation's outstanding teams. Analyzed by Nat Holman, head basketball coach at the College of the City of New York. Emphasizes the value of teamwork. The man-to-man defense and its variations are shown with the means best used under varying situations to counteract them. Other fundamentals, including passes, receiving, and pivot plays are sketched.

## **CHAMPIONSHIP FORM (SF)**

**j-h-a** 9 minutes **B&W: \$1.65**

The film takes several phases of Olympic competition and compares them so far as body movement and form are concerned. It shows that perfect body coordination and grace of movement are essential to championship athletic standards. Great Olympic stars are shown in action.

## **CHANCE TO LIVE, A (McGH)**

**j-h-c-a** 19 minutes **B&W: \$3.85**

Story of an Italian boy, left to wander alone and unwanted in the aftermath of World War II, who is given "a chance to live" by the American-supported Boys' Republic at Santa Marinella, near Rome. Traces the boy's difficult adjustment to a life of decency, his desperate struggle for friendship and recognition, and his eventual triumph as he learns a trade and makes good with the other boys.

## **CHANDELLES (CAA)**

**c** 9 minutes **B&W: \$2.15**

Demonstrates by animation and live action the proper method for executing a chandelle.

## **CHANGING COTTON LAND—SOUTHEAST U. S. A. (UW)**

**j-h-c-a** 22 minutes **B&W: \$4.15**

Describes methods by which Southeast cotton farmers have begun reconditioning worn-out soil and controlling erosion by practicing crop rotation, grass planting, contour plowing, and terracing.

## **CHANGING FOREST, THE (McGH)**

**h-c** 19 minutes **Color: \$6.85**

The film shows the forest as an integrated community of living things, both plant and animal. This film is in the form of an essay on the ecology of a deciduous forest area of the type found along the southern fringes of the Laurentian Shield.

## **CHANNEL BASS AND STRIPERS (SF)**

**j-h-c-a** 11 minutes **B&W: \$2.25**

Champion surf-casters fight champions of the surf off Montauk Point and Cape Hatteras.

## **CHANTONS NOËL (IFB)**

**j-h-c-a** 10 minutes **Color: \$3.40**

Animation illustrates four French carols sung by a choir: La guignolee, Les anges de nos campagnes, La visite du jour de l'an, D'ou viens-tu bergere? Suitable for beginning, intermediate, advanced French students.

## **CHANTS POPULAIRES NO. 1 (NFBC)**

**j-h-c-a** 9 minutes **B&W: \$1.65**

A blend of French-Canadian folk songs, presented by the Alouette Quartet, and animated cartoons. Compositions are *En roulant ma boule* and *La claire fontaine*.



**CHANTS POPULAIRES NO. 2 (NFBC)**

j-h-c-a 9 minutes B&amp;W: \$1.65

The Alouette Quartet again presents French-Canadian folk songs, which performances are combined with animated cartoons. Compositions include *Envoyons d' l'avant nos gens* and *Aupres de ma blonde*.

**CHARACTER MAKE-UP FOR MEN (UM)**

h-c-a 17 minutes Color: \$5.40

Animation shows the difference in facial characteristics. An actor develops and applies his own make-up. Attention is given to the application of the base, liner, highlight and powder. Preparation and application of the beard and results under actual stage conditions.

**CHARACTERISTICS OF A CORE PROGRAM (CU)**

h-c-a 22 minutes B&amp;W: \$3.15

The main emphasis of the film is on the *characteristics* of a core program, so that the observer gets a clear idea of what core is and how it functions. The characteristics are illustrated by glimpses of a real class at work on an actual unit.

**CHARACTERISTICS OF HYDRAULIC FLUIDS (ELEMENTARY HYDRAULICS) (CAA)**

h-c 11 minutes B&amp;W: \$2.15

The essential qualities of hydraulic fluids are explained and illustrated. Points out that they (1) must be able to lubricate moving parts, reduce friction, and prevent wear; (2) must be free of water, rust, and other impurities; and (3) they must be of proper viscosity for the job.

**CHARACTERISTICS OF PLANTS AND ANIMALS (CONTINUITY OF LIFE SERIES) (IU)**

j-h-c 10 minutes Color: \$3.40

Shows the cell as the structural unit of living things. Illustrates the characteristics common to all living organisms—movement, response to stimuli, reproduction, growth, and obtaining energy.

**CHARLEMAGNE AND HIS EMPIRE (C)**

h 14 minutes Color: \$4.80

Shot on sites associated with the great Frankish king, this film pictures Charlemagne's conquests, his close ties with the Roman Church, his system of government, and his many contributions to life in the Middle Ages. The film shows how Charlemagne helped keep civilization and culture alive on the European continent during the early years of the Middle Ages.

**CHARLES DICKENS: BACKGROUND FOR HIS WORKS (C)**

h-c 11 minutes B&amp;W: \$2.15, Color: \$3.40

Filmed in the England which Charles Dickens described so well, the film offers information, clues to interpretation, and a rich sense of the significance and range of the writings, as well as stimulating a genuine interest in reading the works of Dickens.

**CHARLES DICKENS CHRISTMAS, A (EB)**

j-h-c-a 20 minutes B&amp;W: \$4.15

Adapted from "A Good-Humored Christmas Chapter" in *The Pickwick Papers*, this film dramatizes one of the best-known incidents in English literature—the Christmas visit of Mr. Pickwick and his friends to Dingley Dell Farm. In the large parlor, everyone responds to the cordial atmosphere, and above all the joyous capers of Mr. Pickwick, who excels in all the merrymaking.

**CHARTER, THE—UNITED NATIONS (COFI)**

h-c-a 15 minutes B&amp;W: \$2.95

Film deals with the background history, structure, and functions of the United Nations. Scenes from UN history, starting with the San Francisco conference, and including recent developments.

**CHAUCEER'S ENGLAND (EB)**

h-c-a 30 minutes B&amp;W: \$7.00

The old Tabard Inn in London—the Cathedral town of Canterbury—Chaucer's Pilgrims wending their way through Springtime England and telling stories as they ride on their annual Pilgrimage. These are the elements of this production filmed entirely in England, using the actual locations trod by Chaucer's Pilgrims, and dramatizing one of the great short stories of English literature: Chaucer's thrilling *Pardoner's Tale*. In a sequence on Middle English we hear Chaucer's poetry spoken in the accents of the 14th Century.

**CHECK LIST FOR ELECTION DAY (CIO)**

h-c-a 4 minutes B&amp;W: \$2.15

The privilege to vote is given to everyone who meets the minimum qualifications, but there are some who must be reminded to exercise that privilege. A crew of workers must be ready on election day to encourage everyone to vote. Shows the things which can be done to insure the maximum number of people to vote.

**CHECKING FOR INJURIES (ARC)**

h-c-a 19 minutes B&amp;W: \$2.50

A helpful guide in first aid training programs. This film presents an analysis of how to examine and protect an injured person.

**CHECKING THE ELECTRICAL SYSTEM (UW)**

h-c-a 17 minutes B&amp;W: \$2.85

Shows how to check and service an overheated motor in a domestic refrigerator, how to repair a stalled capacitor or R.I. Motor; how the thermostatic motor control functions; how to check and service motor control disorders; and the elements of range and differential adjustments.

**CHEESE AND CHEESE MAKING (IFB)**

i-j-h-c-a 10 minutes Color: \$3.40

The process of cheese making is traced from beginning to end in this color film. The methods of making American, Cheddar, Italian, and Swiss cheeses are shown from the heating of the milk to removal from the smoking and aging rooms.

**CHEMICAL CHANGE (McGH)**

i-j 12 minutes Color: \$4.20

In understandable terms and simple experiments, the film explains some of the chemical changes that are taking place all around us, illustrates and demonstrates some of the tests used by chemists in which chemical changes play a part.

**CHEMICAL CHANGES ALL ABOUT US (C)**

i-j 13½ minutes Color: \$4.50

Chemical changes are taking place around us every day. We see that when chemical changes occur, substances form new substances, and energy is either used, or given off. The film explains atoms and molecules, elements, mixtures, and compounds, and illustrates many familiar chemical changes such as oxidation, photosynthesis, and digestion.

**CHEMICAL REACTIONS (EP)**

j-h 19 minutes B&amp;W: \$3.55

A detailed exposition of the composition of an atom and the relationship between nucleus and electrons as exemplified in the 92 elements assembled in the eight groups of the periodic table.

**CHEMISTRY (PRIMARY SCIENCE) (GA)**

p-i 11 minutes B&amp;W: \$2.15

Chemistry ceases to be a mystery when it is pointed out that mother is a chemist in the kitchen. From many things, she makes something which is entirely different—a cake! It is pointed out that chemistry is responsible for many of the things we see and use every day.

**CHEMISTRY AND A CHANGING WORLD (EB)**

j-h-a 9 minutes B&amp;W: \$2.15

Directs attention to the significant role which chemistry plays in our modern world. Traces the steps leading up to the production of electric furnace phosphorus. Portrayals of the work of research chemists and chemical engineers from the inception of the idea to the multiple uses of the completed product provide vocational information.

**CHEMISTRY IN COLLEGE (IU)**

h-c 17 minutes B&amp;W: \$3.15

Surveys the class and laboratory work that is included in a college major in the field of chemistry; points out related courses as well as those that provide opportunities for a well-rounded education.

**CHEMISTRY OF AIR (JUNIOR SCIENCE SERIES) (McGH)**

j-h 11 minutes B&amp;W: \$2.15

Explains what air is composed of and, by experiments, demonstrates properties of oxygen and how much oxygen there is in the air. Shows why materials rust or corrode and why oxygen is necessary for burning. Includes the uses of nitrogen and why nitrogen is necessary in nutrition as well as describing properties of carbon dioxide, tests for carbon dioxide, and how to prove that air contains moisture.



**CHEMISTRY OF WATER (SUTH)**

h-c 14 minutes Color: \$5.00

This film explains the changes in volume exhibited when ice at a low temperature warms, melts to liquid water at 0° C, and warms to room temperature. This film is designed to demonstrate the physical and chemical properties of water. The action of water in dissolving a salt is illustrated by animation. Many experiments are used in the film to illustrate chemical action of water with a number of other chemicals.

**CHEW CHEW BABY (WOODY WOODPECKER) (UW)**

p-i 8 minutes B&amp;W: \$1.70

Wally Walrus advertises for a wife. Woody dolls up as Clementine. Wally falls for "her." Riotous fun when Wally tries to give Woody the air.

**CHICAGO (THIS LAND OF OURS SERIES) (IFI)**

i-j-h 11 minutes Color: \$3.40

"Chicago, Chicago, it's a wonderful town!" Besides its scenic beauty, it is the industrial capital of the Midwest. The full color camera takes you through the metropolis to clarify its history, industry, and geographical importance.

**CHICAGO FIRE, THE (YOU ARE THERE) (CBS)**

j-h-e-a 28 minutes B&amp;W: \$5.65

Shows on October 8, 1871, the occurrence of the devastating spectacle of a great American city being consumed by fire, despite heroic efforts of its firemen and citizens.

**CHICAGO NATURAL HISTORY MUSEUM (AFR)**

j-h-e-a 20 minutes B&amp;W: \$3.55

A record of an excursion through the Field Museum of Chicago.

**CHILD AND HIS THUMB, THE (FPI)**

e-a 19 minutes B&amp;W: \$3.35

Summarizes years of research on the problem of thumb-sucking. Integrates the orthodontic, pediatric and psychological viewpoints toward the problem. Points out the implications of thumb-sucking through the use of case histories. Demonstrates methods used to help children.

**CHILD AT PLAY, THE (CU)**

e-a 19 minutes B&amp;W: \$3.65

A concealed camera shows three-year-old Judy as she plays alone, with a group of strange children, and with a four-year-old friend. Reveals some of the social experiences of children and concludes with questions about the significance of children's behavior.

**CHILD DEVELOPMENT (THE SEARCH) (CBS)**

c-a 28 minutes B&amp;W: \$5.65

Determination of normalcy in children is discussed with new ideas and techniques. Shows developmental tests with children of varying ages. Presents a psychological interview with a young couple soon to become parents, and discusses the "natural" childbirth technique.

**CHILD DEVELOPMENT: CHILD CARE AND DEVELOPMENT (McGH)**

e-a 18 minutes B&amp;W: \$4.15

Considers the daily physical care that ensures a happy, healthy child. Correct attitudes and procedures of both parents and children toward establishing good habits of eating, sleeping, bathing, proper clothing and outdoor exercises are stressed.

**CHILD DEVELOPMENT: CHILDREN'S EMOTIONS (McGH)**

e-a 20 minutes B&amp;W: \$4.15

Discusses through short dramatic illustrations the development and guidance of children's emotions at various age levels up to ten years. The commentator explains that the very young child's emotions, while tense, are changeable and harmless because they are completely expressed. Emotions discussed in detail include curiosity, fear, anger, jealousy and happiness.

**CHILD DEVELOPMENT: CHILDREN'S FANTASIES (McGH)**

e-a 21 minutes B&amp;W: \$4.55

All children delve in fantasies. This film explores the reasons for child fantasies, and explains how they develop as well as how the child can be affected by them. Its theme suggests that they can be properly channeled and used as an impetus for artistic and creative living. The key is to learn how to make them useful rather than destructive.

**CHILD DEVELOPMENT: CHILDREN'S PLAY (McGH)**

c-a 28 minutes B&amp;W: \$6.35

Good health depends upon play which is a dynamic factor in a child's development. Play is discussed at each age level in the changing forms of children's recreation. The film shows that parents can make great contributions to give their children the best chance for healthy play.

**CHILD DEVELOPMENT: HEREDITY AND PRENATAL DEVELOPMENT (McGH)**

e-a 22 minutes B&amp;W: \$4.15

Traces the development and fertilization of male and female sex cells and follows fetal evolution until birth. Discusses how genes and chromosomes transmit hereditary factors and to what extent environment affects them. The development of the basic physiological actions in a new-born and the connection between physical and emotional sensitivity in very young children are considered.

**CHILD DEVELOPMENT: PRINCIPLES OF DEVELOPMENT (McGH)**

e-a 17 minutes B&amp;W: \$4.15

Outlines the fundamentals of growth from early infancy through childhood. Development follows a pattern which is continuous, orderly, progressive and predictable. Considers the many variables which make each child different.

**CHILD DEVELOPMENT: SIBLING RELATIONS AND PERSONALITY (McGH)**

e-a 22 minutes B&amp;W: \$4.75

Case studies are used to demonstrate the relationships a child has with his brothers and sisters throughout developmental years. The film indicates that these relationships are an important factor in shaping personality. Emphasis on understanding complex personality influences in helping youngsters through childhood and adolescence.

**CHILD DEVELOPMENT: SIBLING RIVALRIES & PARENTS (McGH)**

e-a 11 minutes B&amp;W: \$2.45

Rivalry among brothers and sisters is a common situation in any family. This film describes the reasons for this rivalry, the varied manifestations of it, and the means of minimizing this friction. Stresses that friction is a normal human trait.

**CHILD DEVELOPMENT: SOCIAL DEVELOPMENT (McGH)**

e-a 16 minutes B&amp;W: \$4.15

Depicts an analysis of social behavior at different age levels and the reasons underlying the changes in behavior patterns as the child develops. Stresses the point that while the child must meet and solve each problem as he reaches a certain level of development, wise guidance from adults can make the adjustment easier and smoother.

**CHILD GROWS UP, THE (KB)**

h-e-a 12 minutes B&amp;W: \$2.15

Shows the activities of the normal child from one to six, emphasizing habit training, proper play and equipment for developing mind and body, nursery school, food and physical examinations.

**CHILD IN THE MIDDLE (UC)**

e-a 18 minutes B&amp;W: \$3.00

Based on an actual case history, the film shows how the co-operation between home and school results in clearing obstacles to learning for an elementary school child.

**CHILD WELFARE IN SWEDEN (FON)**

h-e-a 10 minutes B&amp;W: \$2.15

This film, produced in 1941, tells of the medical care and financial aid available before and after the birth of a child, of special housing arrangements, and government supervision of both the mother and her child to help the working mother. Cooperative nursery schools, summer camps, parks and swimming pools, and dental care are part of the Swedish child welfare program.

**CHILDHOOD RIVALRY IN BALI AND NEW GUINEA (NYU)**

e-a 17 minutes B&amp;W: \$3.15

A series of scenes in which children of the same age in the two cultures respond to: the mother attending to another baby, the ear piercing of a younger sibling, and the experi-



mental presentation of a doll. Whereas the Balinese mother handles sibling rivalry by theatrical teasing of her own child through conspicuous attention to other babies, the Iatmul mother, even when nursing a newborn infant, makes every effort to keep her own child from feeling jealous.

### CHILDREN ARE CREATIVE (BFS)

**c-a** 10 minutes Color: \$3.40  
Contrasts old and new methods of teaching art. Reveals a classroom scene in which an instructor encourages observation of a mother hen and her chicks. Children work creatively with a minimum of direction from their teacher.

### CHILDREN GROWING UP WITH OTHER PEOPLE (UW)

**h-c-a** 24 minutes B&W: \$4.15  
A British film showing the various stages of growth in children as a result of the constant adaptation to their environment. The adult, who helps the child, must acquire tact, insight and patience. Of great significance is the child's awakening to social responsibilities which occur after the self-centered individuality of childhood is clarified.

### CHILDREN IN AUTUMN (EB)

**p** 11 minutes Color: \$3.80  
Jerry is working on a collection of signs of autumn with the help of his sister. They observe the gradual change from the luxuriant green of the summer to the brown and red color of autumn. They also observe changes in the animal world and that the days grow shorter and the weather becomes cooler.

### CHILDREN IN SPRING (EB)

**p** 11 minutes Color: \$3.80  
Everyday experiences of children are illustrated. The children plant seeds and watch the plants grow. They observe flowers, buds, birds, and small animals.

### CHILDREN IN SUMMER (EB)

**p** 11 minutes Color: \$3.80  
Two children enjoy summer experiences month by month. They visit the farm and investigate nature in the barnyard, in the fields, and in the pasture.

### CHILDREN IN WINTER (EB)

**p** 11 minutes B&W: \$2.35  
Two children, with their dog, observe the winter season. They play in the snow, search nature in their backyard and around the house, check the temperature, and observe the waning of the day. Some indoor activities are also included.

### CHILDREN LEARNING BY EXPERIENCE (UW)

**h-c-a** 30 minutes B&W: \$6.15  
Develops the themes that (1) all children have the urge to learn, (2) they enjoy practicing simple skills, (3) they strive to understand the world around them, (4) they learn certain things second hand, and (5) they discover a great many things by play and imagination.

### CHILDREN MUST LEARN (NYU)

**h-c-a** 14 minutes B&W: \$2.65  
Illustrates the unsatisfactory relationship between education and the needs of the community in many parts of the United States. This film depicts a farm family trying to subsist on poor soil in the Southern mountain region. The crude and meagerly furnished one-room school is preparing to change its program of study so that the children may learn some of the facts about soils and food which they so badly need to know.

### CHILDREN OF CHINA (EB)

**i-j** 11 minutes B&W: \$2.15  
Reproduces episodes from the home, school, and play life of children in a representative village deep in the interior of China. Different types of family relationships are observed. School training in loyalty to parents, together with home and community customs, reflect the influence of Chinese tradition on contemporary life. Recreational activities are shown, and Chinese dialogue is reproduced and interpreted in several sequences.

### CHILDREN OF GERMANY (EB)

**i-j** 14 minutes Color: \$5.15  
A boy from Berlin visits the beautiful Rhineland of Western Germany. The old town of Kaub is the setting for a vineyard festival. Many of the Rhine's famous castles, and scenes on the Rhine River are shown.

### CHILDREN OF HOLLAND (EB)

**p-i** 11 minutes B&W: \$2.15  
Scenes in the film include home and school life, and a horse and cart trip to a typical Dutch town provide captivating glimpses of rural and urban Holland. Handicraft hobby, recreational activities, and interpreted native conversations are included.

### CHILDREN OF JAPAN (EB)

**i-j** 11 minutes B&W: \$2.15  
The film presents events in the daily life of a middle-class Japanese family. Their home surroundings, living and sleeping quarters, furnishings, dress, customs, and manners are depicted along with school and play experiences of the children and routine tasks of the parents. Following a visit to a nearby shrine, the family is studied as they eat their evening meal and make preparations for bed. Conversations are reproduced throughout.

### CHILDREN OF RUSSIA (IFF)

**general** 16 minutes B&W: \$2.65  
Russian children are seen as they go to school, garden, play, parade, visit museums and art galleries, and live in the summer pioneer camps. Filmed between the years 1930 and 1937, the pictures do not emphasize war or political philosophy.

### CHILDREN OF SCOTLAND (EB)

**p-i** 15 minutes Color: \$5.40  
This is the story of life in a Scottish fishing village. Through the eyes of two boys and a girl, we see the fishermen at work; children at home and in school; a large fish market; a ship-building town down the coast; and above the town, the ruins of an old castle. Finally, in the little girl's imagination, Scotland's romantic past becomes alive with bagpipes and a swirl of kilts.

### CHILDREN OF SWITZERLAND (EB)

**p-i-j** 10 minutes B&W: \$2.15  
A railway train makes a long steep climb to a village in the Swiss Alps. On the village street we find Trudi and Hans, her brother. With them we enter a village woodcarver's shop and see carvings of cattle and examine clocks of all shapes and sizes. The brother and sister make preparations for a trip far up the mountain side. On the way up, they pass the family vegetable garden and the path lined with flowers which leads to the summer pasture. As they rest before the last climb they view the snow-covered Alps.

### CHILDREN OF THE ALPS (EB)

**i-j** 14 minutes B&W: \$2.65  
Portrays the life of a Swiss boy and girl whose family gain a frugal living in their mountain land. Cutting timber, carrying out household tasks, going to school, woodworking, sleigh rides and ice hockey, skiing and other athletic pursuits are shown. Accompanied by musical score composed by Walter Baumgartner.

### CHILDREN OF THE CITY (BIS)

**j-h-c** 30 minutes B&W: \$4.15  
Film was made in Scotland. It indicates the British approach and the work of the juvenile courts by following the story of three youths who presented a problem for juvenile court action.

### CHILDREN OF THE SUN: QUECHUA INDIANS OF PERU (AS)

**general** 20 minutes Color: \$2.15  
Insight into the history of the Quechua Indians is described, including the rich heritage given them by their ancestors. A picture of the great civilization which flourished centuries ago emerges through the Inca archaeological ruins.

### CHILDREN OF THE WAGON TRAIN (McGH)

**i-j** 20 minutes Color: \$6.65  
A re-creation of life on a wagon train following the Oregon Trail in 1849. The film describes the route of the Oregon Trail and explains some of the motivating forces behind the westward movement.

### CHILDREN ON TRIAL (IFB)

**c-a** 62 minutes B&W: \$7.15  
Describes juvenile delinquency in England. Tells the story of two boys and a girl, constant offenders, who are sent to approved schools for rehabilitation. Resentful and uncooperative at first, they finally realize that they are being given a fresh start in life and decide to take advantage of the opportunities offered them.



**CHILDREN WHO DRAW PICTURES (BRF)**

c-a 42 minutes B&amp;W: \$9.15

This film, which is partially in color, depicts a group of children during their first five months of school. The teacher analyzes some of the lonelier children according to the way they draw pictures with regard to the colors used and the subjects chosen. The progress of these same children during the five month period is shown.

**CHILDREN'S CHARTER (BIS)**

c-a 18 minutes B&amp;W: \$2.65

The Education Act of 1944 gives every English child the right of free secondary school education, either technical or academic, until the child is fifteen. Should he then leave school and take a job, he must continue his training at a day continuation school one day a week until he is eighteen.

**CHILDREN'S CONCERT (FORUM EDITION) (EB)**

p-i 37 minutes B&amp;W: \$6.15

Introduces the percussion, woodwind, brass, and string instruments with explanations of the elements of music. In the final scenes the children tell the story of Persephone in a dance which they have created.

**CHILDREN'S CONCERT I: RHYTHM AND PERCUSSION (EB)**

p-i 11 minutes B&amp;W: \$2.15

Explains the fundamentals of rhythm and demonstrates the percussion instruments. An old Indian tom-tom is compared with modern drums, and a children's rhythm band performs under the direction of a diminutive leader.

**CHILDREN'S CONCERT II: WOODWINDS AND BRASS (EB)**

p-i 11 minutes B&amp;W: \$2.15

Introduces the woodwind and brass instruments as musicians of a concert for children play each of the main types. Explains the modern wind instruments as just more complex versions of a simple pipe—the willow whistle. Ends with a close-up view of the instruments as they are played.

**CHILDREN'S CONCERT III: STRING INSTRUMENTS (EB)**

p-i 10 minutes B&amp;W: \$2.15

Essential points on musical form are illustrated and the string instruments are introduced. When the violin, cello, and viola have been presented separately, they join in a fugue. Closing scenes show a troop performing a dance built around the legend of Persephone.

**CHILDREN'S VILLAGE (McGH)**

h-c-a 18 minutes B&amp;W: \$3.85

Shows the operation of Children's Village, at Dobbs Ferry, New York, for rehabilitating delinquent boys who learn to share responsibility in a miniature democracy.

**CHILE (PEOPLE OF THE COUNTRY ESTATES) (EB)**

i-j-h 10 minutes B&amp;W: \$2.15

Portrays over-all geographical characteristics and natural resources of Chile and calls attention to life on the agricultural estates of the Central Valley. Depicts workers cultivating and picking agricultural crops and a visit by a wealthy landowner and his family to their hacienda. Pictures many features of Chile's capital city. Does not use Spanish dialogue exclusively; however, many Spanish words and phrases are employed.

**CHILEAN HACIENDA (HFE)**

i-j-h 11 minutes B&amp;W: \$2.15

Chile is basically an agricultural nation, and much of her farm land is administered under the hacienda system. Living and working conditions for both the owner and worker are investigated. The principal products raised and the manner of harvesting enters into the scope of this geographic study.

**CHILEAN NITRATE (HFE)**

j-h-c 11 minutes B&amp;W: \$2.15

Visualizes the mining, refining and transportation of nitrate of soda in the Atacama Desert of northern Chile. Describes the use of nitrate today in fertilizer and explosives and the importance of nitrate to Chile as a nation.

**CHILE'S COPPER (MINING AND REFINING IN THE ATACAMA DESERT) (HFE)**

j-h-c 10 minutes B&amp;W: \$2.15

Importance of copper to man; location of largest reserve; description of unique Atacama Desert; living conditions in mine area; methods of mining; details of refining process; importance of copper to Chile.

**CHIMP ON THE FARM (UW)**

p-i 8 minutes B&amp;W: \$1.70

The mischievous Shorty is threatened with banishment to a zoo. He flees to the barnyard and fields. Chickens, ducks, and pigs have reasons to be fed up with him, but his most outraged victims are some boys swimming in the river. Shorty dresses himself as a scarecrow, thinking his pursuers will pass him by. He is captured but, as usual, he is forgiven.

**CHIMP, THE AVIATOR (UW)**

p-i 8 minutes B&amp;W: \$1.70

Chimp performs gymnastics in mid-air.

**CHIMP, THE COWBOY (UW)**

p-i 8 minutes B&amp;W: \$1.70

Scene takes place in the Wild West. Shorty, the chimp, takes to the saddle, tracks the bank robbers to their hideout, steals their guns, and recovers the loot.

**CHIMP, THE FIREMAN (UW)**

p-i 8 minutes B&amp;W: \$1.70

Shorty joins the fire department and soon makes trouble for the firemen. They are about to put him out when an alarm is sounded. At the fire, the amazing Chimp provides thrills and laughs as he becomes the hero of the occasion.

**CHIMP, THE SAILOR (UW)**

p-i 8 minutes B&amp;W: \$1.70

Shorty goes to sea on a mailing yacht. He does a trick at the wheel that almost wrecks the ship, and he is cast away in a rowboat. However, he is forgiven in the end.

**CHINA (MOT)**

j-h-c-a 19 minutes B&amp;W: \$3.40

China's old way of life has changed very little since medieval times. The beginnings of democracy and westernization came under Dr. Sun Yat-sen, but it reached its peak under Chiang Kai-shek. China, in 1937, became the scene of bitter struggle between the Chinese and Japanese. Final phase revolves around China immediately after World War II.

**CHINA CRISIS (OWI)**

general 38 minutes B&amp;W: \$2.15

Newsreel shots, made by combat camera crews, of the 14th Air Force's struggle to support the Chinese army against on-rushing Japs during Spring and Summer campaigns of 1944.

**CHINA LIFE LINE (McGH)**

h-c-a 17 minutes B&amp;W: \$3.50

Shows the amazing and ingeniously planned methods of transportation adopted by American Army engineers to maintain a life-line of oil supplies to Army fronts in China and Burma during the war.

**CHINA, 1932-1945 (20th CENTURY) (CBS-McGH)**

j-h-c-a 30 minutes B&amp;W: \$5.85

Here is the documented story of the long epic struggle by the Chinese people to resist Japanese aggression and invasion in the years preceding World War II.

**CHINA, THE LAND AND THE PEOPLE (C)**

i-j-h 14 minutes Color: \$4.15

This film shows the difference between the North and South regions of China and the close relationship which exists between the people. The importance of agriculture to the Chinese is brought to light, and a glimpse into the future is shown. Industrialization seems to be their answer.

**CHINA UNDER COMMUNISM (EB)**

h-c-a 22 minutes Color: \$7.45

A film report by John Strohm, the first American correspondent in Red China. In 1958, Mr. Strohm travelled 7,500 miles over Red China, almost entirely without restrictions, observing and photographing all phases of Chinese life. Two thousand feet of uncensored film provide material for this report which examines the forces that are shaping the communist revolution



in China, illustrates the communist methods of forcing radical changes in traditional patterns of living, describes China's most critical social and economic problems, and considers the possible effects of communist success in China on world security.

### CHIPMUNK AND HIS BIRD FRIENDS (BFS)

p-i 11 minutes Color: \$3.40

Shows chipmunks and squirrels storing winter supply of acorns underground while birds search for insects. The birds discover a bird food pantry provided by the children and many different varieties of birds come to eat.

### CHIROPRACTIC STORY (ICHS)

j-c-a 22 minutes Color: \$2.15

Description of training for a career as a chiropractor.

### CHLORINE—A REPRESENTATIVE HALOGEN (SUTH)

h-c 20 minutes Color: \$5.30

Shows physical and chemical properties of chlorine and chemical oxidation and oxidation by electrolysis.

### CHOICE IS YOURS, THE (WCTU)

j-h-c-a 23 minutes Color: \$4.65

Dr. A. C. Ivy, University of Illinois professor, and young people question a science teacher about the effects of alcohol.

### CHOO CHOO (HR)

p-i 20 minutes B&W: \$2.65

Pity the poor man that has to escort Spanky and his pals on a long train trip. Spanky shows he is the strong, silent type. He makes the trip a never to be forgotten event for everybody including the animals in the baggage car, who get a chance to mingle with the passengers.

### CHOOSING A DOCTOR (McGH)

h-c-a 16 minutes B&W: \$3.65

When Fred's eight-year-old daughter Cathy has what seems to be an attack of appendicitis, he and his wife, newcomers to town, realize they have done nothing about selecting a doctor. Fred is forced to rely upon a doctor he met for just a few minutes while playing golf. His decision is justified by a successful operation on Cathy, but not before Fred learns the importance of knowing a doctor's qualifications and standing, and how he can obtain such reliable information.

### CHOOSING A LEADER (McGH)

h-c 10 minutes B&W: \$2.15

Explores the problem of how a group chooses a leader wisely. This film revolves around a group of teenagers hiking through the woods who face the possibility of getting lost.

### CHOOSING BOOKS TO READ (C)

j-h 10 minutes B&W: \$2.15

Books provide a fund of knowledge; their emotional impact provides tears or laughter to the reader. They are typical of man's ideas and hopes. Some books are even filled with charts and diagrams to educate the reader on facts, progress, and knowledge.

### CHOOSING CLOTHES FOR HEALTH (C)

p-i 10 minutes B&W: \$2.15, Color: \$3.40

Designed to help children choose the right clothes for different kinds of weather, this film demonstrates how clothing needs vary with climate, weather, and activities.

### CHOOSING YOUR MARRIAGE PARTNER (C)

h-c-a 15 minutes B&W: \$2.80

In this film, a young man is trying to decide which of two girls to marry. He is advised to consider such factors as emotional maturity, family background, philosophy of life, and harmony of personalities before choosing his marriage partner.

### CHOOSING YOUR OCCUPATION (C)

j-h-c 11 minutes B&W: \$2.15

Self-appraisal, occupational possibilities, preparation requirements, and guidance facilities are a few of the ideas presented here for the benefits of vocational guidance classes and conferences.

### CHORDS AND TANGENTS OF CIRCLES (KB)

h-c 11 minutes B&W: \$2.00

Advance phase of THE CIRCLE demonstrates the theorem on a perpendicular to a chord within the circle, as the first part. In the summary, types of tangents are covered in detail.

### CHRISTIAN DIOR STORY (FII)

h-c-a 18 minutes B&W: \$3.15

The film visits the salon and workrooms of Christian Dior, the designer of women's dresses, who was responsible for the "new look." Portrays the creative artist at work and shows the subsequent operations of those who assist in carrying out his ideas. A Dior premiere, to which usually only important fashion buyers are invited, is also included.

### CHRISTMAS CAROL (TFC)

general 37 minutes B&W: \$6.15

Dickens' famous novel is given a Hollywood dramatization. This is an abridged version which has continuity to provide an interesting look into the unique personality of Scrooge. *Restricted to Classroom Use.*

### CHRISTMAS CAROL, A (SCROOGE) (UW)

general 10 minutes B&W: \$2.15

Charles Dickens' classic is given a one reel treatment to probe the character of Scrooge.

### CHRISTMAS CAROLS (NFBC)

general 8 minutes B&W: \$2.15

The Bell Singers and a selection of carols, including *O Come All Ye Faithful*, *Joy to the World*, *What Child Is This?* and *Silent Night*. Animated drawings illustrate their well-known words. In *Good King Wenceslas*, animated figures enact the King and Page, as they bear meat and wine to a poor peasant. Bells and birds take up the rhythm of the traditional *What Child Is This?*

### CHRISTMAS CAROLS (UW)

general 8 minutes B&W: \$2.15

*The First Noel*, *Hark, the Herald Angels Sing*, and *Adeste Fideles* are sung by a choir as the words appear on the screen.

### CHRISTMAS CUSTOMS NEAR AND FAR (C)

general 17 minutes Color: \$5.15

Traditional Christmas observances and festivities from Germany, Sweden, Mexico, and Italy are presented by children who have these national lineages. Christmas music provides a background for dances, decorations, and festivals, while Fran Allison explains the legends and customs of Christmas from many lands.

### CHRISTMAS DEER (A LEGEND RETOLD) (GJ)

general 14 minutes Color: \$4.70

Nicholas, an old woodcutter, follows a deer into the forest and finds a lost boy. He leads the boy back to the roadway and shows him how to carve a whistle. On returning home, he finds, as he tries to carve a Baby Jesus for his little Nativity scene, he can no longer carve. After he distributes his carvings, he kneels to pray he can carve more gifts for the next Christmas season. As he raises his eyes, he finds among his figures a Baby Jesus.

### CHRISTMAS DREAM, A (UW)

general 8 minutes B&W: \$2.15

After a little girl casts her old doll aside for new ones, she dreams the doll comes to life and does tricks for her.

### CHRISTMAS GIFT (EB)

p 7 minutes Color: \$2.15

Jerry and Linda bring a wagon of used toys to the fire station for the firemen to repair for other boys and girls for Christmas. Linda forgets her new white fur mittens at the fire station and doesn't remember about them until she's at the school Christmas party. There she finds them on the tree for another child. Deciding to leave them there, she receives a white fur muff on Christmas morning.

### CHRISTMAS IN SWEDEN (FON)

i-j-h-c-a 14 minutes B&W: \$3.15, Color: \$5.85

Christmas in Sweden starts as early as December 13 on St. Lucia Day. We visit an average Swedish family and see how they celebrate Christmas. Other scenes show the preparation of special food, open-air Christmas market, Christmas songs, and a Christmas church service.

### CHRISTMAS NIGHT (OF)

p-i 7 minutes B&W: \$2.15

Soglow's character "Little King" serves as the instrument of this story. Santa Claus visits the palace on Christmas Eve; Christmas morn finds a royal riot as the "Little King" makes merry with fire engines and airplanes.



**CHRISTMAS ON GRANDFATHER'S FARM (1890's) (C)**

general 22 minutes Color: \$6.65

It's a happy sleigh ride for the Bradford children and grandchildren on their way to spend Christmas with Grandpa and Grandma at the big farmhouse. This "old-fashioned Christmas," rich in warmth, laughter and love, begins with Grandpa's reading of the Biblical account of the first Christmas. The twinkling candles on the tree, hand-made gifts, presents for cousins, aunts and uncles, and a very special surprise for a grandson, Joshall, add to the festive excitement of this day.

**CHRISTMAS RHAPSODY (IFI)**

general 10 minutes B&W: \$2.15

A tender, simple story about a small, lonely evergreen tree, dwarfed into obscurity by its towering brothers. But a man and his two children see beauty in the small child of the forest and take it to their home where it is given a place of honor before the fireplace to stand as their Christmas tree. In the flickering light of the fire, the decorations appear to be shimmering snowflakes and slender icicles. The family sings Christmas carols for a beautiful Christmas Eve.

**CHRISTMAS SLIPPERS (BRF)**

h-c-a 31 minutes B&W: \$6.35

An excerpt from Tchaikovsky's opera *Cherevichki* featuring the orchestra and chorus of the Bolshoy Theatre and based on the story by Nikolai Gogol. The plot: a blacksmith is advised by a lady that she will marry him only if he brings her the most beautiful slippers in the world.

**CHRISTMAS THROUGH THE AGES (EB)**

p-i 15 minutes Color: \$5.15

Tells the story of Christmas, blended from Biblical history, myths, legends, and customs as old as the human race. Dramatic scenes trace the symbols of Christmas to their many sources and reflect the world-wide participation in a holiday which celebrates goodwill and peace on earth.

**CHRISTMAS TOY SHOP (SILENT) (UW)**

p-i 10 minutes B&W: \$2.15

Combines live photography with animated cartoons in a Christmas Eve story. The children go to sleep and dream that Santa falls down the chimney and wakes them up. He then tells them about the wonderful toyland shop where the toys come to life.

**CHROMIUM AND MANGANESE (CHEMISTRY LAB. SERIES) (C)**

h-c 37½ minutes Color: \$11.50

The chemistry of these elements is discussed and demonstrated, with oxidation-reduction as the central theme. Equations are derived using the "ion-electron half reaction" method where appropriate. Among the reactions shown are those involving the chromic-metachromite relationship, chromate-dichromate relationship, reduction of chromates and dichromates, oxidation of metachromite ion, and others.

**CHUCKY LOU—STORY OF A WOODCHUCK (IU)**

p-i 10 minutes B&W: \$2.15

Using natural setting, Chucky Lou romps in his natural surroundings. He meets a kind woman who gives him exceptional treatment. A special musical score enhances the simple narrative.

**CHURCH VOCATIONS (VGF)**

h-c-a 10 minutes B&W: \$2.15

Points out the many and varied types of work in the modern church. The minister with his various responsibilities and duties is introduced. The home and foreign missionary work is presented, as is church secretarial and social service. Non-sectarian.

**CHURCHILL—MAN OF THE CENTURY (BIS)**

j-h-c-a 20 minutes B&W: \$4.40

Presents highlights of Sir Winston Churchill's early life, Boer War Service, entry into Parliament, various ministerial offices, including that of First Lord of the Admiralty in World War I and again in World War II, before becoming Prime Minister. His meeting with Roosevelt, conferences at Casablanca, Teheran, Yalta and Potsdam are also shown. The film concludes with the presentation of Graham Sutherland's portrait of Sir Winston at his 80th birthday celebration.

**CICADA, THE (UW)**

j-h-c 10 minutes B&W: \$1.65

The life cycle of the cicada or seventeen-year locust is shown by means of time-lapse photography.

**CICADA—THE INSECT METHUSELAH (MIS)**

j-h-c 12 minutes Color: \$3.20

Nature's precise timing of the cicada's emergence every seventeen years is explained and illustrated. The stages of the cicada's metamorphic process are clearly presented as well as the emergence from its subterranean burrow, a description of the male's sound organs, and the remarkable design of the ovipositor.

**CINDERELLA (FA)**

p-i 9 minutes Color: \$3.20

Photographed from drawings made by fifth grade children in a Canadian school. The story of Cinderella is charmingly narrated by young children.

**CINDY GOES TO A PARTY (YA)**

p-i 10 minutes B&W: \$2.15

A modern version of the Cinderella story is used to explain some of the rules of good manners that help one obtain greater enjoyment when visiting at a party or in many other group situations.

**CIRCLE, THE (KB)**

h-c 11 minutes B&W: \$1.90

Presents geometry of the circle and introduces and clarifies various aspects of circle geometry such as radii, diameters, chords, tangents, secants, arcs, and central angles. Introduces theorems and proofs.

**CIRCLING THE BASES (ANL)**

j-h-c-a 20 minutes B&W: \$3.00

The basic fundamentals of base running are shown. George Sitrnweiss, George Case, and George Myatt are depicted in scenes from actual baseball games.

**CIRCUIT TESTING WITH METERS AND MULTIMETERS: PRACTICAL APPLICATION (UW)**

h-c-a 32 minutes B&W: \$4.45

Demonstrates how to use meters in testing transformers, capacitors, resistors, telephone loop circuits, and similar applications.

**CIRCUIT TESTING WITH METERS AND MULTIMETERS: THEORY (UW)**

h-c-a 33 minutes B&W: \$4.45

The theory and construction of meters are explained as well as the proper application of various types of meters in circuit testing and related external equipments.

**CIRCULATION (UW)**

j-h-c-a 18 minutes Color: \$5.65

Animated diagrams of the human body describe the systematic and pulmonary circulation of the blood. The structure and functions of heart, lungs, arteries, veins, and capillaries are also described. Shows the route of the blood through the body, the heart cycle, and the exchange of oxygen and carbon dioxide in the lungs and cells of the body.

**CIRCULATION: WHY AND HOW (CW)**

j-h 10 minutes Color: \$3.60

Explains the needs of the body's cells and how some of these needs are serviced by the circulation system. It details how blood returns from the capillaries to the heart through the venous system, how the chambers of the heart pump the blood through the pulmonary system then back through the arterial system to the capillaries.

**CIRCUS ANIMALS (A)**

p-i-j 11 minutes Color: \$3.40

Fascinating circus animals come into focus with radiant color photography. They are exhibited going through their paces as well as taking life easy.

**CIRCUS AT THE ZOO (UW)**

general 9 minutes B&W: \$1.65

The chimpanzees put on a bike-riding, horse-back riding, acrobatic show for the zoo visitors. It is funny and exciting entertainment.

**CIRCUS DAY (AB)**

p-i 22 minutes Color: \$5.65

A complete story of the circus showing the arrival of the circus train, unloading at the station, the journey to the lot, and the teamwork of putting up the big top. People throng the midway and view the wonders of the side shows.



**CIRCUS DAY IN OUR TOWN (EB)**

**p** 18 minutes **B&W: \$3.65**  
Describes the excitement and drama of circus day, depicting not only the highlights of the performance itself, but many of the preparations necessary for staging the big show. How the circus unloads, how the tent city grows, and how performers make up and dress for the show are filmed. Finally a ring-side view of many exciting acts is provided.

**CIRCUS PEOPLE (A)**

**p-i-j** 11 minutes **Color: \$3.40**  
An interesting film depicting "behind the scenes" circus activity. Selection of scenes and narration are designed to develop proper attitudes of work and cooperation and offer stimulation for oral composition and foundation for reading readiness.

**CIRCUS WAKES UP, A (SF)**

**p-i-j** 7 minutes **B&W: \$1.65**  
Shown are early morning scenes of a circus coming to life and preparations for the big show. We see a pony getting a hair cut, elephants receiving their baths, jugglers and trapeze performers rehearsing, lions being fed, and clowns making up.

**CITIES: HOW THEY GROW (2nd EDITION) (EB)**

**j-h** 11 minutes **B&W: \$2.35**  
Calls attention first to the natural influences affecting the location and growth of cities—harbors, water courses, raw materials, and climate. Describes, with animated maps, the gradual growth of American cities from trading centers to modern metropolitan areas. Outlines current trends in city development, and points out the advantages of decentralization and careful city planning.

**CITIES: WHY THEY GROW (C)**

**j-h-c** 11 minutes **B&W: \$2.15**  
A city is many things to many people. This picture is concerned with the economic factors which give rise to the growth of cities. Departing from the usual statistics and the sociological problems which are a result of cities' growth, the film teaches by letting the viewer observe what the workers of the city do.

**CITIZEN FIREMAN (McGH)**

**c-a** 19 minutes **B&W: \$3.25**  
Shows the work and training of a volunteer fire department in a small town. Citizens from all occupations and walks of life undergo training and regularly risk their lives in a co-operative effort to save the lives and properties of their neighbors. Pointing out that most fire departments in the United States are composed of volunteers, this film presents an example of democracy at work in America.

**CITIZEN MAKES A DECISION (McGH)**

**h-c-a** 18 minutes **B&W: \$4.15**  
A community has a vital problem confronting the citizens. One citizen conducts a search for an intelligent decision on the problem. This is a powerful case study in citizenship.

**CITIZEN PARTICIPATES, A (McGH)**

**j-h-c-a** 24 minutes **B&W: \$5.15**  
Shows how a community organized to secure a doctor for its people, and how one citizen shouldered his responsibility for community participation. Excellent in showing individual's responsibility to community life.

**CITIZENSHIP AND YOU (C)**

**j-h** 14 minutes **B&W: \$2.90**  
A civics assignment leads to the discovery that pre-voters have many citizenship duties, rights, and responsibilities.

**CITIZENSHIP IN ACTION (IU)**

**j-h** 24 minutes **B&W: \$5.15**  
This film, based on the objectives of the student council, aims to develop in high school students a growing appreciation of membership in a democracy by providing the educative responsibilities of, and principles of participation in, citizenship activities through this school organization.

**CITY, THE (MMA)**

**h-c** 31 minutes **B&W: \$4.40**  
A survey of the problem of planning community living in America, embodying the views of the American Institute of Planners. Contrasts the turmoil of the planless city with the color and spaciousness of the small planned community.

**CITY DRIVING (FMC)**

**h-c-a** 22 minutes **B&W: \$3.15**  
The need for safe driving on our streets and highways has never been greater. Shows correct driving techniques under all types of road conditions. Explains the problems of city driving.

**CITY FIRE FIGHTERS (C)**

**p-i** 9 minutes **B&W: \$2.15**  
Designed for the elementary social studies and language arts program, the emphasis is placed on fire-fighting activities in a city.

**CITY HIGHWAYS (DPP)**

**i-j** 13 minutes **Color: \$4.30**  
An example of how heavily populated areas and shifts of population affect the lives of people. Promotes an understanding and appreciation of civic projects. Shows the planning, construction and use of typical controlled-access highways through metropolitan centers.

**CITY OF GOLD (NFBC)**

**c-a** 22 minutes **B&W: \$4.85**  
This film portrays the story of the life and death of the last major gold rush—the story of the frenzied stampede into the Klondike in the late 1890's, and a nostalgic picture of the Yukon's Dawson City. Written and narrated by Dawson-born Pierre Berton, the film reconstructs scenes as they were when men by the thousands flocked into this frozen frontier in search of their Eldorado.

**CITY OF THE SICK (NMH)**

**h-c-a** 18 minutes **B&W: \$2.85**  
Mental patients can be restored to a useful living. A mental hospital attendant is seen as he serves the patients; little things noted by the attendant often sparks the patient on the road back to recovery.

**CITY OF WAX (TFC)**

**j-h-c** 9 minutes **B&W: \$1.65**  
Shows the metamorphosis of the bee from larva to young worker, the activities of a colony, and the life history of a queen bee. *Restricted to Classroom Use.*

**CITY OUT OF DARKNESS (AFF)**

**j-h-c-a** 9 minutes **B&W: \$2.15**  
When the Soviet Union stripped the factories of Germany after World War II, the people of the western sector of Berlin became dependent on the power stations of the Soviet Zone. The Berliners worked day and night to construct their own power plant and now Power Station West supplies sufficient electricity for all the homes and industry of West Berlin. Glimpses of the airlift.

**CITY PETS: FUN AND RESPONSIBILITY (C)**

**p** 9 minutes **B&W: \$2.15, Color: \$3.40**  
Some of the pets commonly found in a city—dogs, cats, hamsters, white mice, parakeets, canaries, and goldfish—receive unique care by their owners. Children who have domesticated animals as pets must learn to realize their responsibility towards the animals.

**CITY THAT LIVES (HOP)**

**j-h-c-a** 18 minutes **B&W: \$3.65**  
Florence's impressive art museum has some of the most famous works in the world on display. Masterpieces of Michelangelo, Cellini, Rafael, and Brunelleschi are exhibited by the museum. Besides painting, an array of sculpture and architecture is certain to be attractive to the art lover.

**CITY WATER SUPPLY (EB)**

**j-h-c** 9 minutes **B&W: \$2.15**  
Animated drawings are used to describe the relation between rainfall and life: sources of city water supply, waterborne diseases, and methods of water distribution. Explains the dependence of cities upon an adequate water supply and the necessity of safeguarding its sources and distribution.

**CIVIL DEFENSE IN SCHOOLS (OCDM)**

**c-a** 23 minutes **B&W: \$2.15**  
A new kind of safety threat is being brought to the attention of school administrators—that of the atom. When planning a civil defense program for the schools, many key people are called upon to help in the initial planning. Bomb shelters are now being provided for schools. Many of these shelters have



dual purposes. One new bomb shelter shown is also being used as a cafeteria. There are outdoor and indoor signals, lights, and warning bells. Periodic shelter drills are supervised by teachers. Stresses the importance of cooperation by school staff and the community in the civil defense effort.

### **CIVIL WAR, THE (EB)**

j-h-a 17 minutes B&W: \$3.95, Color: \$5.65  
Points out the most important military events of the war between the North and the South, stressing social and geographical factors which brought victory to the North. Animated drawings and color photography portray the terrain and battlefields over which the war was fought.

### **CIVIL WAR (PART I) (HISTORY OF THE U. S. NAVY) (AFS)**

j-h-c-a 15 minutes Color: \$3.65  
Depicts the roles of the Union and Confederate Navies in the Civil War. Describes the economic characteristics and population differences between the two sides.

### **CIVIL WAR (PART II) (HISTORY OF THE U. S. NAVY) (AFS)**

j-h-c-a 15 minutes Color: \$3.65  
Reviews major campaigns and innovations such as the iron-clad ships, submarines, torpedoes, the role of the navy in international relations during the period, the importance of the naval blockade of the South, and the support the navy furnished the land forces.

### **CLARK SHAUGHNESSY "T" (AVF)**

h-c-a 30 minutes B&W: \$5.15  
Members of the 1941 unbeaten and untied Stanford team go through the paces of the "T" that brought them fame.

### **CLASS FOR TOMMY, A (BFS)**

c-a 18 minutes B&W: \$4.15  
An experimental training class for mentally retarded children. The purposes of the class are to determine if such children will progress more satisfactorily in elementary school if given special training at an early age, and whether certain undesirable attitudes and reactions may be prevented by early enrollment in such a program.

### **CLASSIFYING PLANTS AND ANIMALS (C)**

j-h 11 minutes Color: \$3.60  
Confusion can arise when plants and animals are called by common names. This film gives a short history of classification and introduces Linnaeus' system of binomial nomenclature. Through animation, we are shown how Linnaeus' system works. The classification of the common dog is traced through the major divisions of the animal kingdom.

### **CLASSROOM QUIZ NO. 1 (AAR)**

p-i 10 minutes Color: \$2.15  
General information about railroading is presented in an easily understood manner, and then a quiz is given over the material.

### **CLASSROOM QUIZ NO. 2 (AAR)**

p-i 10 minutes Color: \$2.15  
Railroads are a vital part of the American transportation system. This is a second film in a series of railroad quizzes for elementary and primary students. Various aspects of railroading are presented, and then a quiz session tells how much the pupils learned from the film.

### **CLAW HAMMER AND NAIL SET (TOM)**

j-h 11 minutes B&W: \$2.15  
Explaining that there are both round and straight claw hammers, the film proceeds to describe hammer parts and their functions. A working carpenter is studied in slow motion and his high degree of coordination noted. The film deals also with the nail set, and how and when this tool is used.

### **CLAY IN ACTION (EB)**

j-h-a 11 minutes B&W: \$2.15  
A step-by-step demonstration of a sculptor modelling a head in clay. Shows how he packs the clay on wooden supports, the first rough carving, and the progressive steps of refinement until the work is completed. The artist is Arturo B. Fallico of Chicago Teachers College.

### **CLEAN WATERS (GE)**

j-h-c-a 24 minutes Color: \$7.65  
Preventing the pollution of our water supply is a problem of vital interest to all citizens. This film deals with the commercial necessities for pure water, and presents the dangers to health and life resulting from pollution of public water systems. Animated diagrams illustrate preventive measures.

### **CLEANLINESS AND HEALTH (C)**

i 10 minutes B&W: \$2.15  
After seeing this picture students will never again believe that old saying, "A little dirt won't hurt you!" This is the story of David's visit to a doctor. It shows the lessons in cleanliness which the doctor impresses upon David. By means of microphotography the existence of dangerous tiny organisms all around us is demonstrated, and the importance of cleanliness to good health is soundly established.

### **CLERK, THE (NATURE OF WORK SERIES) (McGH)**

c-a 27 minutes B&W: \$5.35  
This film depicts a young man employed by a large industrial firm as a clerk, assigned to dull, repetitive desk work. There is conflict between what he wants from his job and what the firm wants from him. The conflict becomes clear and he eventually rebels against the limitations imposed on him.

### **CLIENT-CENTERED THERAPY (PSC)**

c-a 60 minutes B&W: \$11.15  
Part I: The client is a female graduate student superior in scholastic achievement but perturbed about her social isolation. Covers the initial interview.  
Part II: Shows the 32nd session in the case of a middle-aged mother who is experiencing a certain amount of conflict with her husband and daughter. Recommended for professional use only.

### **CLIMATE AND THE WORLD WE LIVE IN (C)**

i-j 13 minutes B&W: \$2.90  
The film shows the determining factors of climate—latitude, altitude, nearness to water, ocean currents, prevailing winds, and mountain ranges. Further explained is the grouping of similar climate into major types, and regions of the world are represented to show how variations in climate affect human activities.

### **CLIMBING PLANTS (UW)**

j-h-c 10 minutes B&W: \$2.15  
Shows the mechanism by which weak-stemmed plants support themselves. Illustrates sharp-thorned climbers, leaf-holding creepers, aerial rooted ivy, tendril clinging peas. Time-lapse photography is used to show plants growing and entwining or attaching themselves.

### **CLOSE SHAVE, A (UW)**

p-i 7 minutes B&W: \$1.20  
Al Falfa is a barber but not an expert. A hairy customer gets angry and starts to fight. Al's tricks win with a howling climax.

### **CLOSED BOOK, A (FBIC)**

general 26 minutes B&W: \$3.40  
The story of a successful safety campaign in a small community. Local citizens come to the support of the safety club and its program after an automobile accident proves to them the need for safety education. Stresses the need for safety education and the need for organization to make people safety conscious.

### **CLOTHES AND YOU: LINE AND PROPORTION (C)**

j-h 10 minutes B&W: \$2.15, Color: \$3.40  
Shows how principles of line and proportion can be applied by a girl in choosing clothing that will enhance her appearance. Various body types and "Right and Wrong" demonstrations are also included.

### **CLOTHES WE WEAR, THE (CW)**

p-i 10 minutes Color: \$3.60  
Craig and Barbara find out why clothing keeps them warm. The film discusses animal, plant and synthetic fibers; contrasts primitive methods of spinning thread and weaving cloth with today's methods; develops an appreciation of the abundance and value of the clothes we wear.

### **CLOTHING (2ND EDITION) (EB)**

p-i 11 minutes Color: \$3.40  
Though clothing at times seems to have lost its primary functional value, the selective forces of climate and the need for



protection and comfort still play a major role in determining the kinds of clothing worn throughout the world. This film indicates these forces at work and their results, as well as a historical comparison which compares changes in environment. This film stresses that environment, in turn, alters clothing needs.

### **CLOTHING FOR CHILDREN (C)**

j-h 10 minutes Color: \$3.40

Explains the principles which designate functional clothing for babies and for children at the pre-school and primary levels. Examples illustrate how clothing is made to fit the child's movements, for greater ease in handling, and to encourage self-dressing as the child grows older.

### **CLOUDS (AL)**

j-h-c-a 10 minutes B&W: \$1.65

Explains why we have clouds and cyclones, what clouds do for us, and how clouds are formed by shifting air currents.

### **CLOUDS (UW)**

j-h-c-a 11 minutes B&W: \$2.15

Various types of clouds are shown, and the movement of high and low pressure areas across the country is described. Weather forecasting as the result of cloud study is discussed.

### **CLOUDS ABOVE, THE (BFS)**

p 10 minutes Color: \$3.60

Explains processes involved in the formation of clouds and the four major types.

### **CODE OF THE WEST (UW)**

i-j-h-a 9 minutes B&W: \$1.70

A deputy sheriff accused of killing a government agent is convicted on false evidence and given a life sentence to a road gang. A faithful friend finds the only gun that could have been used in the killing and when its owner and his lawless mob threaten trouble, six-shooters blaze and an innocent man is cleared.

### **CO-ED SPORTS (RKO)**

h-c-a 7 minutes B&W: \$2.65

Women perform a variety of sports at Stanford University. They are active in archery, fencing, swimming, golf, and modern dance.

### **COLD FRONT, THE (AEROLOGY) (CAA)**

j-h-c 19 minutes Color: \$2.15

Explains the formation, characteristics and dangers of a cold front, demonstrates how to avoid the hazards of the cold front by either high or low level flight.

### **COLLECTION OF CAROLS (OF)**

general 9 minutes B&W: \$2.15

*O Come All Ye Faithful, The First Noel, It Came Upon a Midnight Clear, Joy to the World, Hark, The Herald Angels Sing, and Silent Night* are sung by a choir as the words appear on the screen.

### **COLLEGE: YOUR CHALLENGE (C)**

h 11 minutes B&W: \$2.15

A presentation of the benefits of college, both academic and nonacademic, which high school students may expect. Methods of dealing with financial problems and a possible call to military service are considered along with other obstacles. Provides a sound basis on which further discussion and individual consultation may proceed.

### **COLLOIDAL STATE, THE (C)**

h-c 16 minutes Color: \$5.30

This film introduces us to the colloidal state through a series of carefully controlled laboratory experiments and demonstrations. It defines colloids and their several types. Shows how they differ from solutions and suspensions, and how they may be prepared and destroyed. Points out many uses of colloids in the chemistry of everyday life.

### **COLLOIDS (EB)**

h-c 11 minutes B&W: \$2.15

Clarifies the concepts of colloidal state and portrays examples of different types of colloids. Shows differences between colloids and true solutions and illustrates factors that prevent particle growth and techniques used to coagulate colloids. Explains how particle size affects filtration and sedimentation. Demonstrates Tyndall effect, Brownian movement, cataphoresis, and the Cottrell process.

### **COLOMBIA AND VENEZUELA (EB)**

i-j-h 11 minutes B&W: \$2.15

The human and economic geography, topography and climate of Colombia and Venezuela are described in this film. Photography shows the types of people that live here and their work. Animated sequences locate Colombia and Venezuela as one of three parts of the Caribbean region, the others being the West Indies and Central America. Animated map drawings show the extent of Colombia-Venezuela world trade in the import and export of products.

### **COLONIAL CHILDREN (EB)**

p-i 10 minutes B&W: \$2.15

This film depicts, in an authentic setting, the self-sufficient home life of colonial times. It shows in detail the furnishings, clothing, customs, and events in a colonial family's day from the morning chores to the reading of the scriptures by the fireside in the evening.

### **COLONIAL EXPANSION (EB)**

j-h 11 minutes B&W: \$2.15

Provides a graphic description of the trend of expansion in North America from 1492 to the Revolutionary War. Utilizes animated maps to explain the struggle for dominance by the English, French, and Spanish. Traces the economic development in the colonies, and analyzes the political effect of each major phase of expansion to 1763.

### **COLONIAL EXPANSION OF EUROPEAN NATIONS (C)**

j-h-c 14 minutes Color: \$5.15

The story of an unprecedented period of early modern history, the 16th and 17th centuries, which helps to explain some basic questions concerning the reasons why whole groups of men and nations suddenly burst out upon the entire globe. The internal motivations in Europe and the rewards of empire, wealth, and glory in the colonies; these are only a few of the many reasons for an era of exploration and conquest that has been of vast significance for all subsequent history.

### **COLONIAL FAMILY OF NEW FRANCE (C)**

i-j 14 minutes Color: \$4.15

Colonial family life in New France is depicted in about 1700—on the St. Lawrence River in French Canada. We learn of everyday hardships and pleasures while experiencing a freedom unknown in the Old World. A visiting priest and a voyageur bring in other facets of life in New France.

### **COLONIAL LIFE IN NEW ENGLAND (C)**

i-j 10 minutes Color: \$3.40

Life and government in rural New England communities during pre-Revolutionary times is depicted. Life under the British government in Boston is told by a young lawyer of that time.

### **COLONIAL LIFE IN THE MIDDLE COLONIES (C)**

i-j 11 minutes Color: \$3.40

Following the mail run from Philadelphia to New York gives a picture of life in the Middle Colonies during the pre-Revolutionary period. The contribution of these people to our national tradition enables us to formulate a clearer concept of colonial life in the Middle Colonies.

### **COLONIAL LIFE IN THE SOUTH (C)**

i-j-h 14 minutes Color: \$4.15

The social and economic life of the southern colonies in the pre-Revolutionary period are shown through a surveyor's visit to a tobacco farmer and a plantation owner. In authentic restoration, many of the original household articles, utensils and fashions of the period are displayed.

### **COLONIAL LIVING (IFB)**

j-h 17 minutes Color: \$4.65

The way of life in colonial Virginia was simple. Each member of a family had certain duties, such as churning butter or making candles. We also see the village craftsman at work. A colonial home is shown with attention to architecture and furnishings.

### **COLONIAL PHILADELPHIA (BUP)**

i-j-h-c-a 10 minutes Color: \$3.40

Historic landmarks of the 18th century around Philadelphia and Germantown, Pennsylvania, come to life through photographs and paintings.



**COLONIAL PRINTER (CWI)**

**j-h-c** 30 minutes Color: \$6.90  
 Account of eighteenth century printing in America. Details the laborious methods employed to produce books, newspapers and miscellaneous items for the community's needs. The struggle for freedom of the press is emphasized.

**COLONIAL SHIPBUILDING AND SEA TRADE (C)**

**i-j** 11 minutes B&W: \$2.25  
 Economic factors are shown that led to the development of Colonial shipbuilding and sea trade: the need for exchanging goods amongst the Colonies and with Europe, New England geography, available skilled workers and business investors. Viewers learn how Colonial trade routes were established and the effect of restrictive English navigation laws.

**COLONIAL TIMES (AMERICAN LITERATURE SERIES) (C)**

**j-h-c** 10 minutes B&W: \$2.25, Color: \$3.40  
 Shows that the beginnings of literature in this country took the form of practical, useful documents, reflecting the wonders of the new world to which the settlers had come, and the hard pioneer life and deep religious faith of these people.

**COLONIAL WILLIAMSBURG (ICS)**

**i-j-h-c** 9 minutes B&W: \$1.65  
 The capital city of old Virginia, Williamsburg, is the only city in the United States that has completely retained or re-created its colonial style of building. Among the scenes shown are: William and Mary College, the second oldest in the country; the Raleigh Tavern; the Governor's House; the Home of Patrick Henry; and many other picturesque views of this old colonial American city. Even the business establishments of the city adhere to the colonial trade signs.

**COLOR (EB)**

**p-i** 6 minutes Color: \$2.15  
 In this film children will explore new wonders of color in nature, in pigments, in yarn, in wool, and in clay. Avoiding formal color harmonies, the film stimulates interest in experimentation, and encourages children to "put" colors together in their own way.

**COLOR AND LIGHT (ABSTRACT FORMS) (FII)**

**j-h-c-a** 11 minutes Color: \$2.65  
 An abstract ballet of color forms. The changing, flowing, varied moving forms of color are produced by means of abstract shapes made of multicolored transparent plastics which are illuminated. As these bright colored plastics move, the light creates changing, fantastic effects of colored shadows and reflections. Original piano composition as background accompaniment.

**COLOR AND LIGHT (STAGE TECHNIQUES) (UC)**

**j-h-c-a** 7 minutes Color: \$2.65  
 An animated film which demonstrates the principles of additive and subtractive color processes in relation to white light. The principles of the film are used, as a summation, on a model stage set.

**COLOR AND LIGHT: AN INTRODUCTION (C)**

**i** 11 minutes Color: \$3.60  
 Characteristics of color formation by different kinds of light are demonstrated in a variety of everyday situations. Theatrical spotlights are used to show the effect of different kinds of light with opaque, transparent, and translucent objects.

**COLOR CATEGORIZING BEHAVIOR OF RHESUS MONKEYS (C)**

**c** 11 minutes Color: \$3.15  
 As part of the research into brain disorders, a male, female, and baby monkey were taught to sort various objects according to size, color, and shape.

**COLOR KEYING IN ART AND LIVING (EB)**

**j-h-c-a** 11 minutes Color: \$3.40  
 Provides a graphic demonstration of the fact that visual impressions are relative. Stresses environment as an important factor in the choice and use of color. Points out various principles of color "deception" and shows how practical application can be made of them. Shows how color relationships are applied to art subjects and to such aspects of everyday life as hair, eyes, complexion, dress, and home decoration.

**COLOR OF HEALTH (ABA)**

**j-h** 11 minutes Color: \$2.15  
 Explains the value of physical education and stresses the importance of good eating habits in physical and mental well being.

**COLOR OF MAN (UC)**

**h-c-a** 9 minutes Color: \$3.40  
 Discusses the latest theories and findings on differences in skin color. Reviews conditions which caused the development of color differences among the primitive men. Shows that the forces which brought about color differences have been nearly overcome by modern science and transportation.

**COLOR ON A STONE (IFB)**

**h-c** 14 minutes Color: \$4.60  
 An advanced film that starts where black and white lithography leaves off, this is a demonstration of the color processes in color lithography. Shows the techniques of transfer, visualization, registry, and all other elements needed for successful color lithography. This film contains beautiful examples of some of the masters of lithography—Toulouse-Lautrec, Renoir, Cezanne, Voulliard, and also some contemporary printmakers.

**COLORADO RIVER, THE (C)**

**i-j-h** 11 minutes Color: \$3.15  
 Cutting across Colorado, Utah, and Arizona, the Colorado River is unique in its lack of commercial traffic. This film contrasts the Colorado's untamed beauty with the taming influence of its dams, which control its flow and makes it a source of electric power and water for irrigation.

**COLORADO RIVER (PFI)**

**j-h-c-a** 18 minutes B&W: \$3.65  
 To the West, the Colorado has great historical significance. The camera looks at the famous river in relation to its importance to man; it also points out the major geographical characteristics.

**COLORFUL CAIRO (NA)**

**j-h** 10 minutes B&W: \$1.65  
 A fascinating trip through the city that ends with a camel ride to the pyramids.

**COLORS ARE USEFUL (DPP)**

**p-i** 11 minutes Color: \$3.60  
 Shows how colors are used in nature and by man for practical purposes. Examples show that colors are not only pleasurable, but also serve to help identify things, keep things warm or cool, aid in pollination, and protect animals.

**COLOUR IN CLAY (BIS)**

**i-j-h-a** 11 minutes Color: \$3.40  
 Created in a famous pottery-making section of England, this film portrays modern commercial pottery making in an authentic setting. It is designed to show the successful combination of art principles with modern technological methods. Mixing and shaping the clay, applying decoration, firing and glazing are shown.

**COMBAT AMERICA (CAA)**

**h-c** 56 minutes Color: \$2.15  
 Clark Gable serves as writer, director, actor, and narrator in this film which follows the Flying Fortress crews from the end of their training in this country to actual combat over Germany. An excellent documentary film.

**COMBUSTION (SUTH)**

**j-h-c-a** 17 minutes Color: \$5.40  
 Explains conditions necessary for combustion, factors in the rate of combustion, and spontaneous ignition. Industrial uses are shown, and partial and complete combustion are included.

**COME ACROSS (TFC)**

**h** 22 minutes B&W: \$2.65  
 Included in the "Crime Does Not Pay" series. A gang who robs a bank in Kansas think they are making it a local job and will have only state law enforcement officers on their trail. But the fact that one of them has stolen an army pistol enables federal officials to enter in the case. The gang's desperate hunt for shelter is unsuccessful and they are caught. *Restricted to Classroom Use.*



**COMMON ANIMALS OF THE WOODS (EB)**

**p-i** 10 minutes **B&W: \$2.15**  
 Pictures the squirrel, rabbit, raccoon, porcupine, otter, mink, beaver, possum, skunk, and woodchuck. In each instance the distinguishing characteristics of the animal are shown, such as the ability of the beaver to build a dam and the habit of the mother possum carrying her young on her back.

**COMMON COLD, THE (EB)**

**p-i-j** 10 minutes **B&W: \$2.15**  
 Illustrates the facts known about the common cold, its care, and secondary infections that may grow out of it. Tells the story of a boy who contracts a cold and visits his doctor for examination and advice. Reveals, by means of the doctor's illustrated explanation, why the common cold is serious and how it should be taken care of.

**COMMON FALLACIES ABOUT GROUP DIFFERENCES (McGH)**

**c-a** 15 minutes **B&W: \$3.65**  
 Analyzes seven common notions about races, heredity and group differences in the light of known scientific evidence and shows in what way they are all fallacies.

**COMMON HEART DISORDERS AND THEIR CAUSES (McGH)**

**c-a** 17 minutes **B&W: \$3.90**  
 First reviews the functioning of a healthy heart and circulatory system. Then studies common heart disorders, giving the history, symptoms and effects of childhood rheumatic fever, the assumed causes of hypertension, and the effects of each of the conditions which may be caused by arteriosclerosis.

**COMMON SEAMS (SEW EASY SERIES #11) (AL)**

**j-h-c-a** 13 minutes **B&W: \$2.15**  
 Shows different kinds of seams, such as French, flat-felled, lapped, etc., and explains where each is needed.

**COMMONWEALTH OF NATIONS (BIS)**

**h-c-a** 27 minutes **B&W: \$4.65**  
 Designed to show generally the present extent, nature, and constitution of the British Commonwealth. Also shows its purpose, the benefits deriving from it, and the relationship among the members.

**COMMUNICATION FOR BEGINNERS (C)**

**p** 11 minutes **B&W: \$2.35**  
 By pretending what it would be like to be living back in the days of the Indians, Tommy learns how important the everyday means of communication are. We see how the methods of sending and receiving messages have changed from the smoke signals of the Indians to the telegraph and to our modern devices of today—television, radio, and telephone, and others.

**COMMUNICATION IN THE MODERN WORLD (C)**

**i-j** 11 minutes **B&W: \$2.35**  
 Within a framework of historical development, the film vividly portrays the importance of communication in the local, national, and international community today. Examining the various means of communication such as books, newspapers, radio, telephone, recordings, television, motion pictures, etc., we learn of their significant role in our society and of recent technological improvements.

**COMMUNICATION: STORY OF ITS DEVELOPMENT (C)**

**i-j** 11 minutes **B&W: \$2.35**  
 This film presents milestones in the history of the transmission of spoken and written language. The progress which enables us to send messages over greater distances at increased speeds is emphasized. Live action scenes and views of many original inventions, such as the electric telegraph and the first wireless radio broadcast are presented.

**COMMUNICATIONS AND OUR TOWN (M)**

**i** 10 minutes **B&W: \$2.15**  
 Our efficient communications system probably contributes as much to our prosperous way of life as any other single factor. The film introduces the subject of communications, stressing the importance of many types of communication to "our town."

**COMMUNICATIONS WESTWARD (TFC)**

**h-c-a** 27 minutes **B&W: \$4.65**  
 An excerpt from the feature film *Wells Fargo*, this film presents the story of our country's development from 1845 to 1870, stressing the vital part played by communications in the opening of the West and the settlement of California. Portrays the acquisition of California, the migration of the Forty-Niners, the Overland Express, the Transcontinental Telegraph, and the Pony Express. *Restricted to Classroom Use.*

**COMMUNISM (UW)**

**h-c-a** 32 minutes **B&W: \$3.90**  
 Communism operates in every country of the world through the party movement or on a subversive level. Communism is approached in this film from its operations in the United States. The viewer sees the Communist literature made available to party members. Various scenes related to inciting workers are investigated.

**COMMUNISM: GEORGE KENNAN (UW)**

**h-c-a** 43 minutes **B&W: \$5.65**  
 A selected audience of enlisted men and women in the Army, Navy, and Air Force ask questions about international communism. Mr. Kennan answers their questions which include the effect of Stalin's death, the Soviet government and the Soviet people, communism in Asia, the future of the Satellite countries, relationships of the USA and the USSR, and the possibilities of war.

**COMMUNIST WEAPON OF ALLURE, THE (USDD)**

**h-c-a** 33 minutes **B&W: \$2.80**  
 A vivid description of the methods used by the communists to gain converts. Dr. Warren B. Walsh, professor of Russian history at the Maxwell Graduate School of Citizenship and Public Affairs, Syracuse University, explains the nature of the communist threat and the human appeals and allures exploited by the communist.

**COMMUNITY BAKERY, THE (EDH)**

**p-i** 11 minutes **Color: \$3.40**  
 Shows the baker at work and how he contributes to the daily needs of the community by making bread and pastries. Step-by-step process of bread baking is shown including ingredients to packaging and selling.

**COMMUNITY EDUCATION (THE SEARCH) (CBS)**

**c-a** 25 minutes **B&W: \$5.65**  
 An example of cooperation between the University of Louisville and the city of Louisville, Kentucky, to provide an education program which would benefit the entire population. Close group action between the university, local board of education and public library, has made one large "campus" for the entire community.

**COMMUNITY GOVERNMENTS—HOW THEY FUNCTION (C)**

**h** 14 minutes **B&W: \$3.15**  
 The citizens of Riverside, dissatisfied with their community, look into the advantages and disadvantages of the mayor-council, city manager, and commission forms of government. They learn that the active participation of the people and their cooperation in solving problems of local government are an integral part of community progress.

**COMMUNITY HEALTH AND YOU (McGH)**

**j-h** 11 minutes **B&W: \$2.35**  
 This film is designed to acquaint the viewer with the vital services of local community health services, and the necessity for the cooperation of all citizens with these services. The protection of water and food supplies and proper sanitation measures to guard against pollution by waste materials are among the many services which are performed by these agencies and discussed in the film.

**COMMUNITY KEEPS HOUSE, A (FA)**

**i** 10 minutes **Color: \$3.60**  
 Shows how a community keeps clean. Stresses how special machines clean streets, parks, schools; how rubbish and trash are buried or burned; and how each person can help the community keep house.

**COMMUNITY MENTAL HEALTH (MHFB)**

**h-c-a** 30 minutes **B&W: \$6.15**  
 How a community, once it sees the need for mental health facilities, can work together to achieve a broad mental health program. Through the use of an interesting example, we see how the community and the governmental agency together can provide an effective mental health service.



**COMMUNITY RESOURCES IN TEACHING (ISU)**

c-a 20 minutes B&W: \$3.55  
Shows how the community with its resources and the school with its functions can be woven together into a "pattern" of education. Explains how the school can profitably use the community for laboratory studies and invite resource people from the community to the classroom for lectures and demonstrations.

**COMMUNITY RESPONSIBILITIES (WHAT'S YOUR OPINION SERIES) (McGH)**

h-c-a 10 minutes B&W: \$2.15  
When a member of an urban community is approached by two of his neighbors to head a worthwhile community project, it points the way to understanding citizenship. The film poses a question: Where do one's obligations lie in his spare time—in community projects or the family? Audience is invited to decide the matter as a discussion problem.

**COMMUNITY SING (TFC)**

general 9 minutes B&W: \$1.50  
A patriotic song festival including such numbers as *Columbia, the Gem of the Ocean, Hail Columbia, Dixie, America*, and *The Star Spangled Banner*. Restricted to Classroom Use.

**COMPASS FOR AGRICULTURE, A (USDA) (REVISED)**

h-c-a 22 minutes Color: \$2.15  
The story of the United States Department of Agriculture's Crop Reporting Service and how it has grown from its beginning as an enterprise by the farmers of a single state to its present huge and important work. A clear picture is given of the inside workings of the Crop Reporting Service: how its data is compiled, how the estimates are determined, and who benefits from the service. Emphasizes ways in which farmers may use the service to insure greater profits.

**COMPETITION AND BIG BUSINESS (EB)**

h-c-a 20 minutes Color: \$6.65  
Based on an objective analysis of the relationship of big business to competition, the film defines big business by placing it in its proper perspective alongside other forms of enterprise. Analyzes the role of big business in terms of its bearing on entry into the market, technological progress, and the problem of monopoly in a society where social responsibility is crucial.

**COMPLETION OF THE FIRST TRANSCONTINENTAL RAILROAD (YOU ARE THERE) (CBS)**

j-h-c-a 27 minutes B&W: \$5.65  
The final linking of the East and West by rail at Promontory Point, Utah, highlights the importance of communication in our westward expansion.

**CONCEPT OF FUNCTION (TEACHER EDUC. IN MODERN MATH. SERIES) (McGH)**

c-a 15 minutes B&W: \$3.80  
Considers function in terms of "set" in making a clear presentation to students.

**CONCERT ALBUM (VF)**

h-c-a 17 minutes B&W: \$3.15  
Features Nadine Conner, soprano, singing Verdi's *Sempre Libra* from the opera "La Traviata"; Charles Kullman, tenor, singing *Thanks Be To Thee* by Handel, accompanied by the male quartet, the Men of Song; Constance Keene, pianist, playing *Polonaise in A Flat* by Chopin; Tossy Spivakovsky playing the *Violin Concerto* (Allegretto and Allegro) by Mendelssohn; and the Men of Song in a rendition of *The Sleigh* by Kunz.

**CONCERT HALL FAVORITES (AL)**

i-j-h-c-a 11 minutes B&W: \$2.15  
Rubenstein's *Staccato Etude* played by pianist Eugene List; violin selections by Yfrah Neaman; folk songs by Susan Reed; and the *Echo Song* sung by the Columbus Boys' Choir.

**CONCERT MINIATURES (SF)**

h-c-a 9 minutes B&W: \$1.65  
Raymond Leventhal, pianist, plays three selections—Schubert's *Moment Musical*, Chopin's *Nocturne in F Sharp Minor*, and Dohnanyi's *Capriccio*.

**CONCRETE (UC)**

c-a 33 minutes B&W: \$5.75  
Intended to teach students and technicians working in the field the principles of the trial-batch method of proportioning concrete.

**CONCRETE EXAMPLE (PCA)**

h-c-a 15 minutes Color: N.C.  
Shows necessity of using concrete in conjunction with today's modern construction of buildings, roads, floors, etc. Film mainly depicts the use of concrete on the farm, although the basic construction rules can be applied to urban areas as well. Five construction rules for making good concrete are illustrated: 1. Select Materials. 2. Proportion Properly. 3. Place Correctly. 4. Finish the Surface. 5. Cure Concrete Adequately.

**CONCRETE ON THE FARM (PCA)**

h-c-a 21 minutes Color: N.C.  
Shows the uses of concrete in improving the farm: the farm home, barns, silos, barnyards, milk houses, chicken houses, cisterns, etc.

**CONDUCT OF CONGRESSIONAL INVESTIGATIONS, THE (McGH)**

h-c-a 27 minutes B&W: \$5.65  
Congressional committees, their function, purpose, and the legal conduct of their investigations are analyzed in this film. The two types of Congressional committees and their respective roles are described. All the major moral and political aspects of the committees are inspected. The film suggests wise and advantageous changes in the committees' rules and regulations. From Edward R. Murrow's TV program: See It Now.

**CONDUCTING GOOD MUSIC (EB)**

j-h-c-a 15 minutes B&W: \$2.95  
Traces the development of the art of conducting orchestral music, and illustrates techniques used to interpret a score. Analyzes basic time-signatures and the mechanics of their communication by a conductor. Illustrates effects of playing the same composition with variations in tempo, balance, and tone colors. Performed by the Vienna Symphony Orchestra with Hans Swarowsky conducting.

**CONFERENCE, THE (OSU)**

c-a 13 minutes B&W: \$2.75  
One of the films in the series about problems in educational administration, this film provides a basis for discussion. Two teachers disagree on methods of teaching a foreign language; feelings reach a dangerous intensity. One teacher is accused of unprofessional conduct. The principal attempts to settle the dispute. The audience is left with a starting point for discussion.

**CONFESSIONS OF A COLD (NMP)**

a 10 minutes B&W: \$2.15  
A "cold sprite" reveals to a young lady the seriousness of colds, the loss they cause, how colds spread, and methods of treatment. Animation and live photography are combined.

**CONFIDENCE (FILM #2) (USWA)**

c-a 16 minutes B&W: \$2.15  
This film is a United Steelworkers of America 15-minute television program on various aspects of the union's politics and attitudes toward public affairs.

**CONFLICT (BASIC PSYCHOLOGY SERIES) (McGH)**

c-a 18 minutes B&W: \$4.35  
Illustrates four basic types of conflict resulting from typical problems of high school or college students, and shows how the same types of conflict are induced in rats under laboratory-controlled situations.

**CONGRESS, THE (McGH)**

h-c-a 9 minutes B&W: \$1.75  
Shows the functions of the two houses of Congress—how a bill is introduced, considered, and acted upon. It explains the powers peculiar to the House of Representatives. The problem of the relationship of the Congress to the Presidency and to the Supreme Court is explored.

**CONGRESS, THE (EB)**

j-h-c-a 20 minutes B&W: \$4.15  
Discusses the working of the most important of the three branches of the federal government. Describes the powers of the Congress as specifically set forth in the Constitution of the United States and as developed through the principle of implied power.

**CONGRUENT FIGURES (KB)**

h-c 13 minutes B&W: \$2.15  
A demonstration of the geometric principles for finding and proving that triangles with certain combinations of equal sides and angles are equal and congruent.



**CONNECTICUT (THIS LAND OF OURS SERIES) (IFI)**

**i-j-h** 10 minutes **Color: \$3.00**  
Presents the historical background of the state of Connecticut. Takes us on a visit to Hartford, capital and largest city of the state and often referred to as the insurance capital of the world, and New Haven, second largest city and home of Yale University. Covers the dairying and tobacco growing industry. Also covers many historical sites.

**CONQUEST (TFC)**

**j-h-a** 22 minutes **B&W: \$3.15**  
Primarily a character study, the classroom version of "Conquest" presents a realistic portrayal of Napoleon. Stresses the personality of the Corsican, rather than his triumphs, and provides a sensitive interpretation of his driving will to power. Vivid dramatizations show Napoleon's maneuvering in power politics as well as his efforts to regain the mastery of Europe following his retreat from Moscow and subsequent exile on Elba. *Restricted to Classroom Use.*

**CONQUEST BY NIGHT (OWI)**

**j-h-c-a** 10 minutes **B&W: \$2.15**  
A destroyer equipped with radar devices goes into night action to seek out the enemy. Radar is explained as it is used on the destroyer.

**CONQUEST OF THE AIR (AIR POWER SERIES) (CBS)**

**h-c-a** 27 minutes **B&W: \$5.65**  
The advent of the American P-51 fighter plane as a successful long-range escort for U.S. Air Force bombers over Germany in 1944 is described, focusing on a series of air battles which broke the back of the Luftwaffe and became the key to the ultimate Allied invasion of Normandy.

**CONQUEST OF UNGAVA (McGH)**

**h-c-a** 15 minutes **B&W: \$3.65**  
Shows the development of rich iron mines in this region on the northeastern Atlantic Coast of Canada, straddling the border of Quebec and Labrador.

**CONSERVATION OF NATURAL RESOURCES (EB)**

**j-h-c-a** 11 minutes **B&W: \$2.15**  
Water power, forests, and farm lands are considered. Early wastes in the lumbering industry and agriculture are discussed and the appalling results are shown. The steps to conserve these resources are explained. The effects of wind and water erosion and unwise farming are shown. A sequence on conservation and development of esthetic resources is also included.

**CONSERVATION RESERVE OF THE SOIL BANK (USDA)**

**j-h-c-a** 7 minutes **Color: \$1.65**  
Presents the objectives of the Conservation Reserve of the Soil Bank and shows some of the conservation practices of cropland in this agricultural program. Contains several good scenes of wildlife.

**CONSERVATION ROAD (EB)**

**j-h-c-a** 17 minutes **B&W: \$3.65**  
Conservation road has finally become a broad highway. Once it was a narrow path followed only by a few, but through the years it has been beaten out by the feet of farmers, prospectors, oilmen, miners, lumbermen, fishermen, and men of industry and government. Concerned with our rapidly diminishing natural resources, they had to learn that the way to continuous productivity was directly down conservation road.

**CONSERVING OUR FORESTS TODAY (C)**

**i-j** 11 minutes **Color: \$3.60**  
The many recent advances in forest conservation are emphasized in this film such as the use of helicopters and plastic hose in fire fighting, new insecticides and chemicals for the control of disease, aerial seeding and mechanical transplanting. The film shows the values of forests for lumber, grazing, water, and recreation, and how forest lands are being protected and renewed for the future.

**CONSERVING OUR SOIL TODAY (C)**

**i-j** 11 minutes **Color: \$3.60**  
Latest techniques and experiments in soil conservation are shown in this film, such as the use of plastic sheets to retain moisture, subsoil mulching, new fertilizers, and experiments with artificial rain to determine patterns of soil erosion. The film also describes the more common methods of conservation, and emphasizes the pupil's own dependence on products of the soil.

**CONSTITUTION AND CENSORSHIP, THE (NET)**

**h-c-a** 30 minutes **B&W: \$5.65**  
Disputes over freedom of speech and related freedoms of the First Amendment are reviewed in this program with reenactments of two important cases: *Purshyn v. Wilson*, which resulted in the Supreme Court decision concerning the film, "The Miracle," and *Cantwell v. Connecticut*, which involved questions of freedom of speech and religion. Questions posed by these cases: How "free" can speech be permitted to be when it is multiplied via recordings or film? How are the claims of free expression to be weighed against other claims for local, state or federal protection?

**CONSTITUTION AND EMPLOYMENT STANDARDS, THE (NET)**

**h-c-a** 30 minutes **B&W: \$5.65**  
The case of the United States v. Darby Lumber Company, which, in 1941, resolved long struggles over the question of whether Congress had the right to set minimum wages, limit child labor, and in other respects legislate employment standards which had long been immune to federal interference. This film reconstruction includes many of the actual participants and was filmed on-the-spot in Statesboro, Georgia, and Washington, D.C.

**CONSTITUTION AND FAIR PROCEDURE, THE (NET)**

**h-c-a** 30 minutes **B&W: \$5.65**  
A re-enactment of a famous case in which a confession of murder was obtained while the suspect was under hypnosis. Juries found him guilty, but the higher courts and finally the Supreme Court of the United States ruled that "due process of law" had been violated.

**CONSTITUTION AND MILITARY POWER, THE (NET)**

**h-c-a** 30 minutes **B&W: \$5.65**  
Two celebrated cases involving issues of military-civilian relations during wartime highlight the problems of individual rights as against governmental powers in emergency periods: the Civil War case of *Ex Parte Milligan* and the World War II case of *Korematsu v. United States*. Sequences for the latter were filmed in the San Francisco Bay area.

**CONSTITUTION AND THE LABOR UNION, THE (NET)**

**h-c-a** 30 minutes **B&W: \$5.65**  
Issues of particular concern to organized labor and management throughout the nation came before the Supreme Court in *Whitaker et al. v. North Carolina* when a group of labor unions challenged the constitutionality of a state ban on the closed shop, union shop, and other "union security" provisions. Photographed in Asheville, N.C., and other cities, the program shows flashbacks to other labor cases including *Lochner v. New York*, *Coppage v. Kansas*, and *Trux v. Corrigan*.

**CONSTITUTION AND THE RIGHT TO VOTE, THE (NET)**

**h-c-a** 30 minutes **B&W: \$5.65**  
Two cases—*Grove v. Townsend* and *Smith v. Allwright*—which challenged the "white primary" are documented in this program as it traces the growth of the electorate from the time of the founding fathers, and examines the constitutional issues involved in the steady broadening of the basis of our democracy.

**CONSTITUTION OF THE UNITED STATES, THE (EB)**

**j-h-a** 22 minutes **Color: \$6.65**  
Relates the story of the making of the Constitution of the United States. Dramatizes the conditions which led to the demand for the creation of a stronger federal government, the events leading up to the convening of the Constitutional Convention, major developments in the work of the convention, the underlying principles of government embodied in the Constitution and the struggle over ratification.

**CONSTITUTION, THE: WHOSE INTERPRETATION (NET)**

**h-c-a** 30 minutes **B&W: \$5.65**  
The program draws on historic film from the National Archives and other sources to illustrate the conflict among the various components of the government in the interpretation of their respective powers under the Constitution. It traces the "court packing fight" of the 1930's when the legislative, executive and judicial branches were sharply at odds over the constitutionality of New Deal measures, with particular attention to *Helvering v. Davis* which tested the constitutionality of the Social Security Act.



**CONSTRUCTIVE CHEMISTRY (AL)**

**general** 10 minutes **B&W: \$2.15**  
Shows the many cellulose products derived from wood such as artificial silk. Also pictures the process of weaving under the microscope and how rubber gets its bounce.

**CONSUMER EDUCATION SERIES: FOURTEEN CARROTS (UW)**

**h-c-a** 5 minutes **B&W: \$1.15**  
Directed at the consumer, this film shows the selection, care, and use of carrots.

**CONSUMER EDUCATION SERIES: ONIONS AND MORE ONIONS (UW)**

**h-c-a** 6 minutes **B&W: \$1.15**  
Directed at the consumer, this film shows the selection, care, and use of onions.

**CONSUMER PROTECTION (C)**

**j-h-c** 9 minutes **B&W: \$2.15**  
Points to the wealth of information available from both government and private consumer services which every consumer can use in order to gain value for his money. The haphazard buying habits of one family are contrasted with the careful purchasing of another.

**CONSUMPTION OF FOODS (EB)**

**h-c** 10 minutes **B&W: \$2.15**  
Presents basic food needs and regional deficiencies of various peoples of the world. Defines minimum standards of food consumption in terms of energy requirements and a balanced diet. Suggests methods to bring food consumption to adequate levels by increasing land productivity, raising individual purchasing power and solving distribution problems.

**CONTACT WITH BOOKS (UI)**

**h-c** 27 minutes **B&W: \$4.00**  
Various important points on the use of a large library are well told in a dramatic fashion. The principal characters of the story are a senior in the College of Engineering and his roommate, a very unsophisticated freshman. All the scenes were filmed on the University of Illinois Campus.

**CONTEMPORARY DANCE (SILENT) (PMA)**

**h-c-a** 30 minutes **Color: \$5.15**  
Reel I: American dancers and choreographers including Louis Horst, Doris Humphrey, Charles Weidman, Hanya Holm, Jose Limon, Harriette Anne Gray and Perry-Mansfield students.  
Reel II: Young American dancers including Robin Gregory, Allegra Fuller, Harriette Anne Gray, Eleanor King, Iris Mabry, Valerie Bettis and students.

**CONTINENT OF SOUTH AMERICA (SILENT) (EB)**

**i-j-h** 15 minutes **B&W: \$1.50**  
Shows the position of South America on the globe, the main natural regions of the continent, their relation to each other and the physical, biological, and social features of each. It locates and describes the Andes, Pacific slope, Brazilian highlands, La Plata basin, Guiana highlands, Orinoco basin, and Amazon basin.

**CONTINENTAL GLACIERS (OSU)**

**c-a** 11 minutes **Color: \$4.50**  
Research of 1953 on the behavior of the glacier on Greenland's ice cap is shown. Animation shows structure in cross section.

**CONTROL OF BODY TEMPERATURE (EB)**

**j-h-c** 11 minutes **B&W: \$2.15**  
By means of laboratory demonstrations, animated drawings and special photography, phenomena associated with variations of body temperature in animals and man are shown. Foods are designated as the source of body heat and the roles of nerves, glands and muscles in its control are portrayed. The blood stream is depicted as the distributor of heat, and the function of the hypothalamus is compared to that of a thermostat.

**CONTROL OF WORMS IN HOGS (SILENT) (USDA)**

**h-c** 30 minutes **B&W: \$2.15**  
Shows methods of control of various injurious hog parasites—thornheaded worms, nodular worms, stomach worms, roundworms, lungworms, and kidney worms.

**CONTROL YOUR EMOTIONS (C)**

**j-h-c-a** 15 minutes **B&W: \$3.55**  
The film illustrates the need for well-balanced emotions in a well-rounded personality. Presents the essential understandings of psychological concepts as applied to the control of emotions. Explains procedures by which emotions may be controlled.

**CONTROLLED PHOTOGRAPHIC LIGHTING (IU)**

**h-c-a** 8 minutes **Color: \$3.05**  
Placement of lights, quality of light, and lighting ratio are shown. With the use of a mannequin as a model, this film shows the functions of main, fill, background, and accent lights in addition to the effects achieved when the lights are moved to different angles. Shows how to apply this set-up to lighting in television, outdoor pictures, and when using flashbulbs.

**CONTROLLING ATOMIC ENERGY (UW)**

**i-j** 14 minutes **Color: \$4.95**  
This film reviews structure and behavior of atoms. It proceeds with details on radiation, controlled fission, and peacetime potentials of nuclear energy.

**CONTROLLING BEHAVIOR THROUGH REINFORCEMENT (BASIC PSYCHOLOGY SERIES) (McGH)**

**c-a** 16 minutes **B&W: \$3.55**  
Shows that by reinforcing an organism on different schedules, we can control its behaviors. Demonstrates how varying reinforcement schedules affect the behavior of pigeons, and compares the outcome of the tests with the results of similar experiments made in an elementary classroom. Explains that this schedule produces behavior that is persistent and difficult to extinguish.

**COOKING: KITCHEN SAFETY (YA)**

**j-h-c-a** 8 minutes **B&W: \$2.15**  
Stresses the common safety hazards that exist in every kitchen, and illustrates specific examples of each. Discusses and demonstrates simple precautions that can be taken to prevent accidents in the kitchen.

**COOKING: MEASURING (YA)**

**h-c** 10 minutes **B&W: \$2.15**  
Explains why some experienced cooks do not appear to follow precise measurements, and why most cooks, particularly those with limited experience, must be very careful in their measuring. Illustrates some of the more common measuring devices used in the kitchen, and demonstrates the correct procedures for measuring typical dry solids, liquids, and fats.

**COOKING: PLANNING AND ORGANIZATION (YA)**

**j-h-c-a** 8 minutes **B&W: \$2.15**  
Shows what can happen when the preparation of a meal is attempted without adequate planning, and how such troubles can be avoided by planning and by the use of devices such as the time chart. Discusses also the importance of efficient organization of kitchen equipment.

**COOKING: TERMS AND WHAT THEY MEAN (YA)**

**j-h-c-a** 11 minutes **B&W: \$2.15**  
Demonstrates some of the most commonly misused and misunderstood terms employed in cooking and points out what they really mean. Designed to make the students aware of the exact meaning of the terminology used in cooking recipes.

**COOL HOT ROD (SD)**

**j-h** 27 minutes **B&W: \$5.65**  
Story of responsible young people who are working to live down the bad connotation of the term "hot rod" by promoting driver education and developing better and safer cars.

**COOPERATION, COMPETITION, CONFLICT (McGH)**

**h-c-a** 10 minutes **B&W: \$2.15**  
Explains how these three processes operate to make society function.

**COOPERATIVE AND THE COMMUNITY (SSF)**

**j-h-c-a** 11 minutes **Color: \$3.40**  
Studies the difference between a private corporation and a cooperative. Defines the three general types of cooperatives and describes in some detail various marketing cooperatives. Includes scenes of Sanitary Milk Producers annual meeting and the interior of some Prairie Farms Creameries.



**COPPER MINING (DPP)**

**i-j** 14½ minutes **Color: \$4.70**  
At a huge open-pit mine in the West, ore is mined by the use of heavy equipment and transported to a mill. The processes of milling and smelting are then shown until blister bars containing 99% pure copper are obtained. The film emphasizes the vast amount of raw material that must be mined to extract the valuable remaining metal.

**COPPER: MINING AND SMELTING (EB)**

**i-j-h** 11 minutes **Color: \$3.40**  
Pictures an open-pit copper mine in operation and the main steps in extracting pure copper from ore. Depicts processes of blasting, transporting waste rock and ore, crushing, concentrating, and smelting. Emphasizes the work of the miners.

**COPPER NETWORK, THE (USBM)**

**j-h-c-a** 21 minutes **Color: \$2.15**  
The utilization of copper, from the digging of the ore to the making of electrical wire and cable to help serve America's power needs, is depicted through the experience of a progressive young mayor who finds that the uses of copper wire and cable in order to obtain electric power will help modernize his town. The film follows him on a tour of a mill as the complexities of wire and cable production are explained.

**COPPER, STEWARD OF THE NATION (AV)**

**i-j-h-c** 14½ minutes **Color: \$4.10**  
Points out copper's part in developing one area of the nation. Shows the complicated process of extracting the metal from raw rock, and lists its many uses today.

**CORAZON DE CASTILLA (SPANISH) (IFB)**

**h-c** 10 minutes **Color: \$3.40**  
After visiting the Plaza de Cibeles, Plaza Mayor, and University of Madrid, we drive to the walled town of Avila to see the medieval castle and El Escorial, most typical Spanish renaissance building. After visiting several towns along the way, we finally arrive at Segovia, where an imposing aqueduct built by the Romans remains little changed through the centuries. With few exceptions, narration is restricted to Keniston's "A Standard List of Spanish Words and Idioms."

**CORINTH CANAL (AFF)**

**j-h-c-a** 10 minutes **B&W: \$2.15**  
Explains the historical and present-day importance of the Corinth Canal to the commerce and prosperity of Greece, how it was destroyed during the war, and its rebuilding in 1947-48 with American help.

**CORKY, THE CROW (EB)**

**p** 11 minutes **Color: \$3.80**  
The story begins with Mother Crow watching over the eggs in her nest. Soon the eggs are hatched—and the film shows, in a series of close-ups, how the baby crows grow into lively fledglings. Corky, the most adventurous one, is trapped by a farmer's children and becomes their pet. He keeps the children amused all summer with his funny antics. But in the fall, Corky joins the other crows to fly to a warmer place for the winter.

**CORN (USDA)**

**h-c-a** 17 minutes **Color: \$2.15**  
Portrays measures to be taken, as a result of extensive research, to increase the yield per acre of corn to fill the needs of future generations of our ever-increasing population. Emphasizes the use of hybrid corn, sound land preparation techniques, better planting and picking practices, and modern storage methods. The menace of insects and rodents to corn both on the stalk and in storage is also depicted.

**CORN FARMER, THE (REVISED) (EB)**

**i-j** 15 minutes **B&W: \$3.15**  
Depicts the lot of a typical corn farmer in growing and harvesting his crops. Problems of planting, cultivating, harvesting, crop rotation, haying, hog and cattle raising and marketing, are portrayed in challenging settings. Reproduced conversations vitalize numerous situations, including household events, a visit to a neighboring town, and a livestock auction. The role of the machine in modern farming is given due consideration.

**CORNISH VALLEY (BIS)**

**i-j-h-c** 18 minutes **B&W: \$3.15**  
The farming troubles of a western British family are brought out. Difficult soil is their main problem. We also visit a market day at Coombehampton, England.

**CORONATION OF POPE PIUS XII (UW)**

**j-h-c-a** 8 minutes **B&W: \$1.65**  
Detailed filming of a historic ceremony and the actual coronation on the balcony of revered St. Peter's. Gives intimate glimpses of Pope Pius XII and his life with inspiring camera work inside the Vatican.

**CORRELATING MUSIC WITH SOCIAL STUDIES IN THE GENERAL MUSIC CLASS (ISU)**

**c-a** 30 minutes **B&W: \$5.15**  
Illustrates the correlative possibilities of music, specifically the relationship of music to social studies. Pictures junior high school students gaining an insight into the meanings inherent in the Negro spiritual by means of (1) discussion of the origin, development and characteristics of the spiritual and (2) observation and hearing of "volunteer soloists" from the students. Of special interest is the hearing of the typical kinds of junior high school voices and voice ranges. Musical content includes the singing of 2-3-4-part Negro spirituals with particular attention given to discussion of dynamic markings, form, text, phrasing, and rhythms.

**COSMIC RAYS (PLANET EARTH SERIES) (McGH)**

**j-h** 30 minutes **Color: \$7.00**  
A detailed examination of present concepts of the origin and nature of charged particles reaching the earth from outer space is given. Recent discoveries—using balloons, rockets and satellites—are presented. The relationship between cosmic ray research and nuclear research is outlined.

**COSTA RICA (McGH)**

**j-h-c-a** 18 minutes **B&W: \$3.40**  
A fine comprehensive travelogue of the little country of Costa Rica, showing its growth and exportation of coffee, its banana plantations, its people, and its religious and cultural life. The colorful history of the country is also touched upon.

**COSTA RICA (PFI)**

**i-j-h** 10 minutes **B&W: \$2.15**  
Costa Rica—a small bit of colonial Spain that has survived the tide of basic Indian dominance in Central America. A tiny nation that has set out to keep independence without an army.

**COSTA RICA (THIS WORLD OF OURS SERIES) (EB)**

**i-j-h** 10 minutes **Color: \$2.65**  
Major historical, industrial, geographical, and scenic highlights of Costa Rica form part of this informational film. It discusses the people in relation to their everyday living in one of the lands of the Americas.

**COSTAS DE ESPAÑA (IFB)**

**j-h-c** 10 minutes **Color: \$3.40**  
A tour of the coasts of the three seas of Spain. Includes a visit to the port of Guetaria during the feast commemorating the return to Spain in 1522 of Elcano (first man to travel around the world); industrial city of Bilbao, San Sebastian, a resort area, the port city of Barcelona, Valencia, Palma de Mallorca, Malaga and Cadiz. Spanish narration.

**COSTUME DESIGNER (TFC)**

**h-c-a** 10 minutes **B&W: \$1.65**  
Shows the skill, the research, and the sense of the appropriate which must go into the designing of costumes. (*Restricted to Classroom Use*)

**COTTON (EB)**

**p-i** 11 minutes **B&W: \$2.15**  
Primarily tuned to social studies programs, the viewer is taken through the cotton stages from the field to the actual production of the fabric.

**COTTON IN TODAY'S WORLD (C)**

**i-j-h** 11 minutes **B&W: \$2.35**  
Through scenes filmed in Egypt, India, Mexico, Indonesia, and England, this film presents a brief historical background of the growing of cotton and indicates its important place in the economy of the world today. Modern American methods of growing, spraying, picking and ginning cotton are shown, as well as some of the finished products.

**COTTON PLANTING (PHP)**

**h-c-a** 11 minutes **B&W: \$2.15**  
Various operations involved in growing cotton; preparation of seed beds; cultivation by hand, mules and flame cultivation; dusting for insect pests by helicopter; plants and bolls at different stages of growth; and use of chemicals to defoliate before the harvest.



## **COUNSELING ADOLESCENTS: COUNSELOR'S DAY, A (McGH)**

e-a 12 minutes B&W: \$2.90  
Shows how a good student counselor organizes his methods in accordance with the student's emotional needs. Illustrates how he prepares for the interview, how he uses a case conference with other teachers to aid him, and how he plans his own activities to gain perspective on the student's problems.

## **COUNSELING ADOLESCENTS: DIAGNOSIS AND PLANNING ADJUSTMENTS IN COUNSELING (McGH)**

c-a 18 minutes B&W: \$3.85  
Designed as a companion to the film USING ANALYTICAL TOOLS. Discusses the successive steps in counseling, searching for the cause, easing anxieties and strains, planning courses of action and making new adjustments.

## **COUNSELING ADOLESCENTS: USING ANALYTICAL TOOLS (McGH)**

c-a 14 minutes B&W: \$2.90  
By depicting a typical student problem, the film shows how various counseling tools and techniques are used such as the cumulative record, tests, anecdotal record, autobiography, time distribution form, and the initial interviews. Used intelligently, these tools facilitate the counseling process by identifying and analyzing the problem.

## **COUNSELING—ITS TOOLS AND TECHNIQUES (VGF)**

h-c-a 20 minutes B&W: \$4.15  
Depicts how a well-trained counselor works. Shows the trainee what tools and techniques are used in counseling and how to use them to the best advantage. Included are interviewing, tests, questionnaires, the use of films and other aids.

## **COUNTERBLAST (AIR POWER SERIES) (CBS)**

h-e-a 28 minutes B&W: \$5.65  
The film depicts, with startling reality, the RAF Bomber Command's devastating attack on the port city of Hamburg, breeding ground for Nazi submarines, to defeat the German attempt to starve the British people through unrestricted submarine warfare.

## **COUNTRY MOUSE AND THE CITY MOUSE, THE (C)**

p 8 minutes Color: \$3.00  
This well-known fable is retold in a charming cartoon style. The amusing story of the adventures of the country mouse who visits his city cousin points to the age-old maxim that travel may be fun, but home is the best place. Produced by Gakken Film Company, Ltd., Tokyo.

## **COUNTRY OF ISLAM (CW)**

j-h 16 minutes Color: \$5.00  
This is a story of a boy, Mustafa, who leaves his village home and journeys to a city to seek an education. There are farewells to the scenes of Mustafa's childhood, the adventure of acquaintances on the road, the uncertainty of a boy coming to a strange city, and finally his acceptance into a new life, into new homes, new friends, and a new school. This story is the vehicle for a consideration of the country's economy, culture, and religion.

## **COUNTY AGENT (UW)**

h-c-a 18 minutes B&W: \$2.65  
The county agent has to be an adviser, a friend, and a technical consultant. He gives advice in new farming methods, in improving field lay-outs, and in amounts and types of fertilizer to be used. He is often called on to furnish plans and blueprints for new buildings, and he joins in various community activities along with the rest of his neighbors. The county agent knows every back road in his county; and it is his constant efforts on their behalf that have helped overcome many of the natural hazards that beset farmers.

## **COUNTY FAIR (McGH)**

ij-h-a 15 minutes B&W: \$3.85  
You visit a typical farm family as the members go about their daily tasks and prepare for participation in their local fair.

## **COUNTY GOVERNMENT (PRP)**

j-h-e-a 18 minutes B&W: \$3.15  
Covers the operations and functions of all phases of a typical county. Shows how and why counties were formed, how their powers are controlled by the State, how they are governed and the scope of their duties, and several types of county administration. The services performed by the different county officers are shown and explained.

## **COURT REPORTER (TAE)**

h-e-a 9 minutes B&W: \$2.15  
This film will be of interest to every student of business. It shows the court reporter in action and explains the duties of a person following this vocation. Actual courtroom scenes as well as action at the scene of accidents are shown.

## **COURTESY AT SCHOOL (C)**

i 9 minutes B&W: \$2.25  
Jerry and his classmates learn that being courteous helps them enjoy their work and play in the classroom, the cafeteria, the auditorium, the hallways, and on the playground.

## **COURTESY FOR BEGINNERS (C)**

p-i 11 minutes B&W: \$2.15  
The fundamentals of courtesy—such as being considerate to a guest, making correct introductions, saying the "magic" words—"Please," "Thank you," and "Excuse me"; all are presented in a variety of roleplaying activities for a young audience.

## **COW AND ITS RELATIVES (C)**

p-i 9 minutes B&W: \$2.15  
A domestic cow has several relatives that indicate a resemblance. Relatives of the cow viewed are the yak, which comes from Tibet, and the buffalo and antelope.

## **COW AND THE SPRITE, THE (C)**

p-i 11 minutes B&W: \$2.15  
A charming interpretation of the well-known story that tells of the happiness of man and of what happiness is composed. Employs delightful puppets, especially created for filming, to bring to us the moral lesson that "we can be happy no matter what our worldly possessions." Other fantasies in this series are: Rumpelstiltskin, Honest Woodsman, King Midas and the Golden Touch, and Legend of the Pied Piper.

## **COW COW BOOGIE (UW)**

p-i 6 minutes Color: \$1.75  
Takes place in the Wild West. Both hired help and cattle loaf to the song, "Home on the Range." A piano player appears with a boogie that puts a beat into the air and works a miracle.

## **COWBOY, THE (AB)**

p-ij 9 minutes Color: \$3.40  
Features Montie Montana, the well-known rodeo player, who explains the dress of the cowboy, the equipment of the ranch horse, and how the cowboy and the horse work together to rope cattle. When the work is finished Montie practices for a coming rodeo. He spins ropes and tries a few tricks while riding.

## **COWBOY JUSTICE (UW)**

general 9 minutes B&W: \$1.70  
A young rancher, fighting to prevent foreclosure of a mortgage, is falsely charged with murder, but in a daring trick turns the tables on his guilty accusers. In a running fight of reckless horsemen, ending in a battle of flying fists, the criminals are captured.

## **CRACKED NUT, THE (UW)**

general 6 minutes B&W: \$1.65  
Woody Woodpecker in another laugh-provoking adventure.

## **CRAFTSMANSHIP IN CLAY: DECORATION (IU)**

h-c-a 11 minutes Color: \$3.40  
Introduces decoration as adding visual interest to form and shows the three basic materials used for applying designs on a clay surface—clay, glaze, and clay slip. Useful for teaching the basic skills needed for motivating interest in and appreciation for ceramic art.

## **CRAFTSMANSHIP IN CLAY: GLAZE APPLICATION (IU)**

h-c-a 10 minutes Color: \$3.40  
Introduces glazing as an activity of pottery makers and demonstrates four methods of applying glaze—dipping, brushing, pouring, and spraying.

## **CRAFTSMANSHIP IN CLAY: SIMPLE MOLDS (IU)**

h-e-a 10 minutes Color: \$3.40  
Introduces moldmaking as a means by which the ceramist can use his creative ability in the development of interesting shapes of a variety of ceramic pieces. Shows the press mold, the slipcasting mold, and the drape mold.



**CRAFTSMANSHIP IN CLAY: SIMPLE SLAB METHOD (IU)**

**h-c-a** 11 minutes **Color: \$3.40**  
Techniques by which attractive pottery pieces may be made from clay. The film not only gives basic information, it also points out that imagination in design and attention to points of fine craftsmanship will produce pottery which affords both pride and pleasure.

**CRAFTSMANSHIP IN CLAY: STACKING AND FIRING (IU)**

**h-c-a** 11 minutes **Color: \$3.40**  
Demonstrates the correct stacking of both green and glazed pottery in a small kiln. The potter shows each step in the firing of the pieces. The results of correct and incorrect stacking and firing techniques are clearly shown.

**CRAFTSMANSHIP IN CLAY: THROWING (IU)**

**h-c-a** 11 minutes **Color: \$3.40**  
Shows how a skilled ceramist shapes pieces of pottery on a potter's wheel. He demonstrates how the wheel is turned by a foot pedal and how the speed of turning is controlled by the foot movement. A bowl, low flat plate, and a pitcher are formed.

**CRASH FIRE RESCUE (CAA)**

**h-c** 22 minutes **B&W: \$2.15**  
The film is prefaced by a reminder that aircraft may be expendable but that every effort must be exerted to rescue personnel involved in all crashes. It then considers the three essentials for fire (fuel, heat, and oxygen) and shows how water, carbon dioxide and foam are used as extinguishing agents. Finally, extinguishing equipment is demonstrated on several fires resulting from simulated crashes. Among the types of trucks and associated equipment demonstrated are The FFNQ, FFN1, FFN2, FFN3, FFN4, and FFN5.

**CRAYFISH, THE (UW)**

**j-h-c** 11 minutes **B&W: \$2.15**  
First examines the crayfish as an animal with an external skeleton. Then analyzes the functions of the individual parts and explores the nature of the male and female reproductive systems. After the processes of feeding and digestion are considered, the arterial and nerve systems are traced.

**CRAYFISH ANATOMY (IU)**

**h-c** 10 minutes **Color: \$3.40**  
This film first discusses the external anatomy of a living crayfish and then using an anaesthetized specimen points out its internal anatomy by systems. Upon removing the exoskeleton of the crayfish we can see the beating heart and the conspicuous abdominal muscles. The path of the blood is traced from the pericardial sinus, into the heart and through the arteries to sinuses between the tissues.

**CRAYON RESIST (BFS)**

**i-j-h-c-a** 6 minutes **Color: \$2.15**  
Shows designs created by varied uses of wax crayons and rubber cement. Both of these materials act as resistors to watercolor or tempera washes. Examples display the flexibility and adaptability of the method.

**CRAZY HOUSE (ANDY PANDA) (UW)**

**p-i** 7 minutes **B&W: \$1.70**  
Andy Panda and Pop are stalled in their car on a wild night on the road. They run to a crazy house filled with ghostly echoes. Andy tries to sleep and Pop spends the night in a long riot with crazy gags.

**CREATION OF A PORTRAIT (EB)**

**h-c-a** 10 minutes **Color: \$3.40**  
Demonstrates essential steps in the creation of a representative portrait as painted by A. G. Warshawsky, prominent American artist. Shows artist making beginning sketch with color and brush. Follows through with the laying in of broad planes of color and portrays the gradual development of form in the portrait with constant reference to the model. Illustrates the use of glaze over painting and calls attention to the master touches which distinguish the work of a great painter from that of a mediocre artist.

**CREATIVE LEISURE (UW)**

**h-c-a** 31 minutes **B&W: \$4.35**  
Americans have more leisure time than any other nation in the world. Many Americans find the pursuit of art an interesting venture for their free moments.

**CREATURES OF THE DESERT (YA)**

**i-j-h** 10 minutes **B&W: \$2.35**  
Special adaptations of animals who live in the American Southwest.

**CREDIT AND LOANS (PRP)**

**j-h-c-a** 17 minutes **B&W: \$3.45**  
This is a timely and thought provoking educational motion picture. In a period where "go now and pay later" is the theme of the day and credit is urged upon us, the average buyer has little knowledge of the actual cost of installment buying. This film illustrates and describes all phases of borrowing and credit as it concerns the individual. Home and car purchasing, methods of financing installment purchases and credit card usage are topics discussed by the film.

**CREDIT—MAN'S CONFIDENCE IN MAN (WPP)**

**j-h-c-a** 33 minutes **B&W: \$5.15**  
Simple analogies are used to make clear the nature of credit and credit-reporting procedure.

**CRIME LAB (McGH)**

**j-h-c-a** 18 minutes **B&W: \$3.65**  
Surveys the techniques used in modern crime detection. Emphasizes that today anyone who commits a crime pits himself against a vast army of police and the weapons of the laboratory.

**CRIME OF KOREA, THE (UW)**

**a** 11 minutes **B&W: \$1.65**  
The report of a war correspondent on two visits to Korea—one in 1945 after its liberation from Japan, and the other in 1950 after the Communist destruction and devastation of the country and its people.

**CRIMINAL IS BORN (TFC)**

**h-c-a** 22 minutes **B&W: \$3.15**  
Film in "Crime Does Not Pay" series. A judge relates a case demonstrating the effect of parental neglect in the development of adolescent criminals. *Restricted to Classroom Use.*

**CRISIS IN IRAN (MOT)**

**h-c-a** 18 minutes **B&W: \$3.75**  
Shows modern cities and primitive nomadic tribesmen, the largest oil refinery in the world and the ruins of ancient Persian civilizations. Outlines the economic and political conditions that have brought on the present crisis.

**CROCODILE THRILLS (UW)**

**j-h-a** 10 minutes **B&W: \$2.25**  
From the Florida Everglades to the Burmese jungles, daring men battle vicious caymen, catching them alive. Three natives of Burma in a small canoe are capsized by attacking crocodiles. One is caught in the great jaws, and he battles with a sheath-knife to escape.

**CROW CRAZY (UW)**

**general** 7 minutes **B&W: \$1.65**  
Andy Panda has troubles getting the crows to leave his corn alone.

**CROWDED OUT (NEA)**

**c-a** 29 minutes **B&W: \$4.65**  
This film depicts the realistic situations of what happens to children and teachers when schools are overcrowded.

**CRUISE SHIP (McGH)**

**j-h-c-a** 17 minutes **B&W: \$3.15**  
A voyage from New York to South America aboard the Santa Paula, a Grace line pleasure ship. Includes scenes of Curacao, La Guaira, Puerto Cabelo, and Cartagena, and of the operations of the ship, as well as the pleasures afforded the passengers.

**CRUSADES, THE (TFC)**

**j-h-a** 28 minutes **B&W: \$4.65**  
Taken from the feature film of the same name, this film dramatizes the efforts of the peoples of Europe to recapture the Holy Land from the Saracens. Depicts the preaching of Peter the Hermit, the departure of the English forces under Richard the Lionhearted, the massing of European armies at Marseilles, the difficulties encountered in providing equipment and supplies of the expedition, the Battle of Acre, and the truce with the Saladin. *Restricted to classroom use.*



## CRUSTACEANS—LOBSTER, SHRIMP, AND THEIR RELATIVES (EB)

**j-h-c** 14 minutes Color: \$4.15  
Illustrates the structures, functions, and habitats of the most important types of crustaceans, including the fairy shrimp, plankton, barnacles, crabs, lobsters, and crayfish. Concentrating on the crayfish, the film explains processes of food-gathering, reproduction autonomy and molting. Discusses the crustaceans' part in maintaining the balance of nature and their economic value to man.

## CRYSTAL GAZING (MIS)

**j-h-c-a** 14 minutes Color: \$3.40  
Pictures the beauty of natural crystals, such as are found in caves, as well as the crystals of substances in everyday use. Concludes with a study of certain crystallized chemicals under polarized light.

## CRYSTALS AT WORK (AL)

**j-h-c-a** 10 minutes B&W: \$2.15  
Shows the use of crystalline substances in industry, particularly the use of quartz in phonographs, radios, televisions and long-distance telephone systems.

## CUB SCOUT IN THE DEN (BSA)

**i-j** 13 minutes Color: \$4.15  
Being a Cub Scout means that mother must join in the activities. The camera illustrates the various roles of the mother and father if they are active in the organizations. You see the Den Mother, Den Dad, Den Chief, and Denner; these help to make Cub Scouting a great organization for boys.

## CUB SCOUT IN THE HOME (BSA)

**i-j-a** 12 minutes Color: \$4.15  
Film designed to inform parents about the Cubbing program. It is especially useful in the first meeting of parents during the organization of a new Cub Pack. The story concerns Bill, who wants to be a Cub. It tells how his father becomes interested in Cubbing through the Cub Committeeman and how Bill and his father enjoy Cubbing themselves.

## CUB SCOUT IN THE PACK (BSA)

**i-j** 20 minutes Color: \$4.15  
Shows typical Pack project from preliminary planning to glorious end. Project is a Scout Circus in which all the Dens participate. We experience all the fun and thrills of the circus as it is performed.

## CUBA (THIS WORLD OF OURS SERIES) (EB)

**i-j-h** 10 minutes Color: \$3.15  
Covers the agricultural side of Cuba—the growth of crops such as tobacco, pineapple, bananas, coconuts, coffee, and the most important of all, sugar. Also shown are Columbus Cathedral, Havana University, and the largest and most important cities.

## CUBA: THE LAND AND THE PEOPLE (C)

**i-j-h** 11 minutes B&W: \$2.15, Color: \$3.40  
Pictures life in Cuba, with emphasis on the Spanish background, the strategic value of the island to American security, and its economic ties to the United States.

## CUBISM (MODERN ART SERIES) (BFS)

**j-h-c-a** 7 minutes Color: \$2.30  
Shows outstanding Cubist paintings to illustrate the characteristics of this controversial school of art: multiple viewpoints, illusion of transparency, flat or decorative space, movement by repetition of design and interpenetration of forms.

## CUCKOO CLOCK THAT WOULDN'T CUCKOO, THE (C)

**p-i** 11 minutes Color: \$3.40  
A delightful story of a silent little cuckoo bird in the royal cuckoo clock, and of how Hans Ticktocker, master clockmaker, broke the spell of her silence and helped her to cuckoo happily once again. Colorful in its animation and intriguing in its picturesque Old World setting, the film is designed to arouse children's interest in reading and oral expression.

## CUERNAVACA (UW)

**j-h-c-a** 10 minutes Color: \$2.90  
In this film we visit three of the loveliest towns in Mexico—Cuernavaca, Taxco, and Acapulco. Cuernavaca, which stands on the site of an ancient Aztec village, is a beautiful week-end resort and Taxco, a silver mining town, is so picturesque that the Mexican government has named it a monument in order to keep it unchanged.

## CULLING CHICKENS (UPRR)

**j-h-c-a** 10 minutes Color: \$2.15  
This film illustrates methods of more efficient chicken raising, with particular emphasis upon techniques of selecting laying birds, and reducing the numbers of poor producers within the flock.

## CULLING SHEEP (UPRR)

**j-h-c-a** 8 minutes Color: \$2.15  
Demonstrates methods of improving the flock for both wool and meat production.

## CUMBERLAND STORY (BIS)

**h-c-a** 39 minutes B&W: \$5.65  
Story of a Cumberland coal field. James Nimmo, a mining engineer, is appointed general manager of a group of collieries along the sea coast in Great Britain. He discovers an old seam deserted since the days of John Buddle and his experiments with undersea mining. The Buddle story is unfolded and with it the hope of rediscovering and reworking the seaward area.

## CURE, THE (BRF)

**j-h-c-a** 20 minutes B&W: \$3.95  
Charlie Chaplin is wheeled in to take the water cure. While he is being treated by a rough masseur, the bellhop who is ordered to dispose of Charlie's trunkful of bottles, tosses them in the well. Charlie promises to reform, but then falls into the well.

## CURING PORK COUNTRY STYLE (UW)

**h-a** 18 minutes B&W: \$2.15  
Shows how to cure pork by the "dry" and "brine" methods, and gives instructions on the preparation, smoking, cooling and wrapping.

## CURIOUS COATI (McGH)

**p-i-j** 8 minutes B&W: \$2.15  
The activities of the coati are illustrated. This small animal, a native of Central and South America, is closely related to the raccoon in appearance and habits. Film is built around the inquisitive activities of a pair of young coatis at an expedition camp in lower Mexico.

## CURRENT AND ELECTROMOTIVE FORCE (RADIO TECHNICIAN TRAINING—ELEMENTARY ELECTRICITY) (CAA)

**h-c-a** 8 minutes B&W: \$2.15  
Explains the electron theory and discusses at length the arrangement of molecules, the building up of current, conductors, electromotive force, and resistance; discusses chemical and mechanical sources of electromotive force.

## CURTAIN TIME (EB)

**j-h-c-a** 30 minutes B&W: \$5.15  
As a guide for staging of amateur theatricals, this serves to develop the major problems which the producer faces. It surveys problems of casting, direction, rehearsals, costumes, properties, sets, publicity, and finances.

## CURTISS ELECTRIC PROPELLER: DISASSEMBLY—HUB AND BLADES (CAA)

**h-c-a** 19 minutes B&W: \$2.15  
Shows a step-by-step process of how to dismantle hub and blades of the Curtiss electric propeller.

## CURTISS ELECTRIC PROPELLER PART 14: DISASSEMBLY POWER UNIT (CAA)

**h-c-a** 20 minutes B&W: \$2.15  
Step-by-step process of disassembling the power unit of the standard-type Curtiss electric propeller.

## CURTISS ELECTRIC PROPELLER: REASSEMBLY—HUB AND BLADES (CAA)

**h-c-a** 22 minutes B&W: \$2.15  
Demonstrates proper ways of reassembling and using hub and blades in a Curtiss electrical propeller.

## CURTISS ELECTRIC PROPELLER: REMOVAL AND DISASSEMBLY (CAA)

**h-c-a** 10 minutes B&W: \$2.15  
Shows proper tools and methods used in the removal and disassembly of a P-40 propeller.



**CUTTING A KEYWAY ON END OF A FINISHED SHAFT (UW)**

**h-a** 14 minutes **B&W: \$2.15**  
 Animation, closeup photography, and commentary combine to demonstrate many of the basic principles of milling machine operation as they apply to the cutting of a keyway in a steel shaft.

**CUTTING A TAPER WITH THE COMPOUND REST AND WITH THE TAPER ATTACHMENT (USOE)**

**h-c** 10 minutes **B&W: \$1.65**  
 Shows how to set the compound rest; machine a steep taper; set the taper attachment; machine a small taper; and use a taper plug gage.

**CUTTING AN EXTERNAL NATIONAL FINE THREAD (USOE)**

**h-c** 11 minutes **B&W: \$1.65**  
 Describes various shapes of threads and their uses, the characteristics of the National Fine Thread, and the procedures used to cut such a thread on a lathe. Slow motion is used to emphasize and make clear the skill required in this operation.

**CUTTING KEYWAYS (USOE)**

**h-c** 14 minutes **B&W: \$2.90**  
 Shows the setting up a shaft on the table of the milling machine for cutting a keyway at each end, the selection of the proper cutter, the determination of the correct speed and feed, the setting of the machine for the correct depth and length of cut, and milling keyways to specified dimensions.

**CUTTING TENONS AND SEGMENTS (UW)**

**h-a** 14 minutes **B&W: \$2.65**  
 Shows laying out and cutting a tenon; setting up the equipment to make shoulder cuts; setting up the equipment to make first and second check cuts; preparing a jig to trim and miter segments; guiding the jig; and using a sliding miter gage.

**CUTTING THREADS WITH TAPS AND DIES (UW)**

**h-a** 17 minutes **B&W: \$3.15**  
 Shows and explains the principles and operations of cutting small threads with the use of hand taps and dies.

**CYCLONE COMBUSTION (CWC)**

**h-c-a** 26 minutes **B&W: \$2.15**  
 Processes of combustion are investigated, including factors contributing to detonation, and control of detonation.

**CZECHOSLOVAKIA (MOT)**

**j-h-c-a** 17 minutes **B&W: \$3.75**  
 Deals with the rise of Czechoslovakia as a separate state. It takes you back to the birth of the small republic at Versailles. Considers the nation from the modern angle when it relates the present-day Communist domination of the Czechs.

**CZECHOSLOVAKIA—A SATELLITE STATE (AB)**

**j-h-c** 13 minutes **Color: \$4.70**  
 The objectives of this film are to show the effects of communism on the lives of the people in a satellite state and to develop an appreciation of the freedoms of a democracy. The state dominates every activity in Czechoslovakia, and these formerly free people who now live under rigid discipline and fear are the objects of a continual bombardment of political propaganda.

**D-DAY (YOU ARE THERE) (CBS)**

**j-h-c-a** 27 minutes **B&W: \$5.65**  
 On June 6, 1944, the Allied Forces land successfully in Normandy—an event symbolizing the turning point of the war and the unity of America and its allies.

**DAIRY FARM (C)**

**p-i** 16 minutes **B&W: \$3.55, Color: \$5.35**  
 Colorful summer scenes of life on a dairy farm, including milking and milk handling, are depicted.

**DAIRY FARM CALVES: DAISY AND BECKY (F)**

**p-i** 16 minutes **Color: \$4.65**  
 Care of two calves from birth to one year: feeding, housing, handling, and training. Important points on dairying are also shown—special yards, feeding for different ages, and cleanliness.

**DAIRY INDUSTRY (VGF)**

**j-h** 11 minutes **B&W: \$2.15**  
 By presenting the work involved in producing, processing, and marketing the products of a dairy farm, this film points out the various occupational opportunities to be found in the large and expanding dairy industry. The locale of the picture is a modern dairy farm and an up-to-date milk processing and marketing plant.

**DAMAGE CONTROL: CHEMISTRY OF FIRE (CAA)**

**h-c-a** 43 minutes **B&W: \$2.15**  
 Explains why the elements of fuel, oxygen, and ignition temperature must be present in order to produce fire. The flash and ignition points of fuels are differentiated. Demonstrates two ways in which a fire may be extinguished.

**DAMAGE CONTROL: SCHOOL OF THE FIRE FIGHTER (CAA)**

**a** 31 minutes **B&W: \$2.15**  
 The proper method of approaching and fighting all types of fires is illustrated in this film. Handling of the apparatus and the use of carbon dioxide and foam fire extinguishers in fighting fires are explained.

**DAMS (DPP)**

**j-j-h** 14 minutes **Color: \$4.20**  
 The multiple purposes of dams, explained in this film, include the creation of electric power, storage of water for agricultural and domestic use, flood control, improvement of inland waterways, repelling salt-water intrusion and providing recreational areas. Dam construction, operation of power plant and a system of canals are seen.

**DANCE DEMONSTRATION (PMA)**

**j-h-c-a** 11 minutes **Color: \$3.30**  
 In the first part the group demonstrates techniques to develop flexibility, flowing movement and elevation. In the second part ways are shown to stimulate the imagination to develop dramatic character and to find fresh ways of moving.

**DANCE FESTIVAL (BRF)**

**c-a** 11 minutes **B&W: \$2.15**  
 The successful contestants at the International Dance Festival in London are featured in the dances of the Ukraine, Caucasus, Uzbekistan, and Armenia.

**DANCER'S WORLD (REM)**

**j-h-c-a** 31 minutes **B&W: \$6.65**  
 Martha Graham discusses the dancer as a creative artist, explaining the craft simply and clearly while members of the company execute a dance to illustrate her theories. Excerpts are given from the company repertoire.

**DANGER SLEUTHS (McGH)**

**h-c-a** 14 minutes **B&W: \$3.85**  
 Shows the testing of household and industrial articles by the Underwriters Laboratories—a nonprofit, industry-supported institution which scientifically determines the safety and efficiency of products submitted to it for approval.

**DANGER TRAIL (UW)**

**p-i-j-h** 9 minutes **B&W: \$1.70**  
 When El Toro, a notorious bandit, crosses the border and saves Hopalong Cassidy from quicksand, Hoppy learns that the bandit's little boy has been kidnapped. On El Toro's promise to return home, Cassidy risks his life in a thrilling and successful exploit that saves the boy and regenerates an outlaw.

**DANGEROUS DOLLARS (TFC)**

**h-c-a** 11 minutes **B&W: \$1.65**  
 This film depicts the U.S. Treasury Department's battle against counterfeiters. The best and quickest means of spotting bad money—both coins and currency—are described. The way a quick-thinking merchant can foil bad bill passers is illustrated. *Restricted to Classroom Use.*

**DANGEROUS STRANGER (SD)**

**p-i-j** 11 minutes **B&W: \$2.15**  
 Should be shown to all elementary school children. Impresses the child with the need to be on guard against molesters, and not to become friendly with strangers. The dangers of listening to the "dangerous stranger" are explained, and places and circumstances under which the child may encounter "dangerous strangers" are dramatized.



**DANIEL BOONE (EB)****i-j-h** 17 minutes **B&W: \$4.15**

Relives important episodes in the life of America's best known wilderness scout, Daniel Boone, revealing the personality traits and experiences which made him outstanding in his field. Boone's youth in Pennsylvania and North Carolina, his activities in the French and Indian Wars, his pioneering adventures in exploring and settling Kentucky, and his final settlement in Missouri are portrayed.

**DANIEL WEBSTER (EB)****j-h** 18 minutes **B&W: \$4.15**

The development of the qualities and skills which made Webster a distinguished lawyer, orator, and a spokesman for American national unity is revealed by this film. Portrays political events which influenced him to be first a state's rights man and defender of the New England trading interests, and later, a strong advocate of a powerful federal government.

**DANS LES ALPES (FRENCH TEACHING SERIES #2) (IFB)****h-c-a** 18 minutes **B&W: \$3.35**

Studies of erosion, vegetation, glaciers, and the Isère River. Animated maps give the extent and location of the French Alps. French dialogue.

**DANS LES PYRENEES (FRENCH TEACHING SERIES #2) (IFB)****h-c-a** 13 minutes **B&W: \$2.85**

Shows the Pyrenees Mountains, Béarn, lakes, cliffs, cascading water, high pastures, and hidden trails used by French and Spanish shepherds. French dialogue.

**DAREDEVILS ON ICE (UW)****i-j-h-c-a** 9 minutes **B&W: \$2.25**

Winter sports and thrill-hunters are featured here in exciting action. Ski races, ice boating, auto races, bobsled racers risking lives for speed are all included in this thrilling movie.

**DASHES, HURDLES, AND RELAYS (EB)****j-h** 18 minutes **B&W: \$4.15**

Demonstrates accepted methods of starting, sprinting, hurdling, and baton passing. Analyzes in detail the 100, 200, and 400 meter dashes. Illustrates varying forms in the high hurdles, 200 meter low hurdles, and 400 meter hurdles.

**DATE ETIQUETTE (C)****h-c** 11 minutes **B&W: \$2.15**

Depicts good date etiquette—the ways of asking and accepting date invitations, meeting the girl's parents, attending a school event, eating out afterward, and saying good-night.

**DATE WITH YOUR FAMILY, A (SM)****j-h-c-a** 10 minutes **B&W: \$2.15**

Presents a heart-warming story of an evening in the life of a happy American family. Shows how the people of the story are bound together by mutual respect and affection, and an intelligent concern for small attentions which nurture good family living.

**DATES (HFE)****j-h-c** 11 minutes **B&W: \$1.75**

Since the date must have dry, hot atmosphere, it thrives only in desert areas where moisture can be provided by irrigation. This is one reason why Coachella Valley in Southern California is one of the world's most important date growing regions. This film tells of the planting, thinning, protecting, and harvesting of the fruit in the Coachella Valley.

**DATING: DO'S AND DON'TS (C)****j-h** 15 minutes **B&W: \$3.55**

Shows an idealized date from the idea, asking and accepting to the date itself and the final good-night. The film raises some important questions for discussion and suggests partial answers.

**DATING THE PAST (UON)****h-c-a** 33 minutes **B&W: \$4.70**

Shows scientific methods used in determining the age of prehistoric marvels uncovered in the Great Plains and other areas.

**DAVID AND THE PUPPY (JHP)****p** 10 minutes **B&W: \$2.15**

David goes to the animal shelter to pick out a puppy. At home, David's parents show a warm interest in his pet. The puppy runs away from the yard, and David, his father, and the Humane Society all join in a search of the neighborhood. The return of the puppy is a joyous experience for all.

**DAVID BEN-GURION (WISDOM SERIES) (EB)****j-h** 28 minutes **B&W: \$6.15**

The Prime Minister of Israel talks about the long struggle to create the Jewish state. Born in Poland, Ben-Gurion went to Palestine in 1906. Contrasting the country as it is now with conditions then, he points out the progress of Israel and speaks about his studies in philosophy and religion.

**DAVID COPPERFIELD: THE BOY (TFC)****j-h-c-a** 42 minutes **B&W: \$8.00**

The first part of Charles Dickens' story of David Copperfield opens with scenes of his infancy. It is followed by his visit to the seaside with Peggotty, running into difficulties in his stepfather's home, experiences in London, the trip to Dover, pleasant relationships at the home of his aunt and finally his departure for school. *Restricted to Classroom Use.*

**DAVID COPPERFIELD: THE MAN (TFC)****j-h-c-a** 42 minutes **B&W: \$8.00**

David's home-coming upon graduation from school, the London trip marking his first step toward a career, his marriage and life with Dora, and his final experiences in revealing the true nature of Uriah Heep, conclude the film version of this great literary masterpiece. *Restricted to Classroom Use.*

**DAY AND NIGHT (UW)****i-j-h** 9 minutes **B&W: \$2.15**

The first part of the film explains, by means of a globe rotating in space, why there is day and night, and why the sun appears to rise in the east and set in the west. The second part deals with the rotation of the earth on its tilted axis and with the resulting variations in the length of day and night over the world at different times of the year.

**DAY AT THE FAIR (EB)****p-i** 11 minutes **B&W: \$2.15**

Relives the fun, drama, and atmosphere of a state fair. Tells the story of three farm youngsters who go to the fair to exhibit their cattle and pigs, and follows them as they tend their livestock, watch the judging, see the displays, and take in the sights. Reveals one boy as he wins a prize, and follows all three as they frolic on the midway.

**DAY IN CONGRESS, A (ACFC)****j-h-c-a** 18 minutes **B&W: \$3.95**

Portrays Congress in action with members of Congress and the page boys whose daily chores keep the wheels turning on Capitol Hill. It presents a realistic picture of the environment in which the Congress of the United States carries on its work.

**DAY IN THE LIFE OF A FIVE-YEAR OLD (TC)****c-a** 18 minutes **B&W: \$3.65**

Portrays young children interpreting the world about them in a spacious, well-planned and equipped kindergarten setting. The role of the teacher in guiding these children through a happy, meaningful, and satisfying day is shown.

**DAY IN THE NIGHT OF JONATHAN MOLE, A (NFBC)****h-c-a** 33 minutes **B&W: \$5.85**

A fantasy built around a courtroom trial. Jonathan Mole is a bitter and biased man who dreams he has power and authority in a land called "Adanac." This land has a law which restricts better jobs to people of "pure" stock, and Mole, as Lord Chief Justice, hears a case of an Indian, a Jew, and an immigrant on trial for breaking this law. His prejudices override the reasonable and just arguments for the Defense, and he convicts the three men to a lifetime of limited opportunity.

**DAY IS NEW, THE (UW)****i-j-h-c** 10 minutes **B&W: \$1.65**

A typical day in the life of the Mexican people is shown, picturing their varied activities, from dawn to night.



**DAY NORTH AMERICA IS ATTACKED, THE (AIR POWER SERIES) (CBS)**

h-c-a 50 minutes B&amp;W: \$10.15

A forceful and realistic depiction of what actually would occur at Continental Air Defense Command Headquarters and other vital installations in the North American defense perimeter on the fateful day of a nuclear attack.

**DAY OF BATTLE (OWI)**

h-c-a 9 minutes B&amp;W: \$1.65

The story of an aircraft carrier—how it was built and later destroyed in battle against the Japanese in the South Pacific.

**DAY OF THANKSGIVING, A (McGH)**

j-h-c-a 12 minutes B&amp;W: \$2.40

Tells how a typical American family used Thanksgiving Day as the occasion to review the freedoms and privileges which they enjoy in their everyday living under the American way of life. They realize that they have more to be thankful for than just the usual symbols associated with Thanksgiving Day.

**DAY OF THE FIGHT (McGH)**

j-h-c-a 18 minutes B&amp;W: \$3.85

Follows the activities of Walter Cartier, middleweight boxer, on the day of a fight.

**DAY WITH ENGLISH CHILDREN, A (C)**

i-j 9 minutes B&amp;W: \$2.15

In the historic city of Bath, Bobby eats breakfast, goes to school, plays cricket, has tea with his family, attends a scout meeting, and comes home to study—a day much like that of school children the world over.

**DAY WITH THE F.B.I., A (IFB)**

j-h-c-a 19 minutes B&amp;W: \$3.40

This behind the scenes film shows the physical layout of the Federal Bureau of Investigation, its crime laboratory, gigantic filing system and the training of a G-man. We also see the activities connected with the solving of three exciting crime-detecting operations. This film is realistic, with an accurate presentation which correlates with course in Government and Problems of Democracy.

**DAY WITHOUT NUMBERS, A (WU)**

i 9 minutes B&amp;W: \$2.00

A boy gets his wish for a world without numbers and learns their importance.

**DEAD RECKONING PROCEDURE (AERIAL NAVIGATION SERIES) (CAA)**

c 23 minutes B&amp;W: \$2.15

Demonstrates the procedure involved in a typical navigation training mission by dead-reckoning, and explains the use of the various instruments.

**DEADLY SPIDERS (LFI)**

general 9 minutes B&amp;W: \$2.00

Illustrates and describes many species of spiders. Warns against the few deadly spiders, and makes suggestions on how to preserve those species which are beneficial to man.

**DEAFNESS IN CHILDREN (THE SEARCH) (CBS)**

c-a 27 minutes B&amp;W: \$5.65

Shows the research done at Johns Hopkins University on the diagnosis and cure of deafness in children. Based on the theory that there is rarely a total loss of hearing, the research illustrates how children with hearing difficulties can still lead full and useful lives, if they receive early diagnosis and immediate treatment and training.

**DEATH IN THE ARENA (SF)**

a 10 minutes B&amp;W: \$2.25

Bull-fighting scenes in which the matador, Manolete, loses his life.

**DEATH OF SOCRATES, THE (YOU ARE THERE) (CBS)**

j-h-c-a 27 minutes B&amp;W: \$5.65

Man's age-old fight against ignorance and prejudice is dramatized with the story of the death of Socrates in 399 B.C., because he refused to renounce his beliefs.

**DEATH OF STONEWALL JACKSON, THE (YOU ARE THERE) (CBS)**

j-h-c-a 27 minutes B&amp;W: \$5.65

The death of its leading tactical general, Stonewall Jackson, on May 10, 1863, foretells the coming disaster of the Confederate forces.

**DEATH VALLEY NATIONAL MONUMENT (PHP)**

general 11 minutes Color: \$3.25

Shows the scenic grandeur, history, life and resources of Death Valley, California.

**DEBT TO THE PAST (MIS)**

j-h-c 21 minutes Color: \$6.35

The purpose of this film is to create in the student a deep appreciation of the past and for the countless ways in which our lives have been enriched through our heritage. Many examples of gifts from the past are shown along with their relationship to what we are and have today. Alphabets, farming methods, transportation, early science, mathematics, clocks and calendars, law and government and architecture are but a few of the topics discussed. The film shows life as it would be if we were deprived of all gifts and had to rely on equipment of the present generation.

**DECATUR'S RAID AT TRIPOLI (YOU ARE THERE) (CBS)**

j-h-c-a 27 minutes B&amp;W: \$5.85

February 16, 1804, Commodore Preble readies the American attack on the Barbary pirates in the harbor of Tripoli. An heroic volunteer crew, under Lieutenant Stephen Decatur, steals into the Tripoli harbor at night, and under heavy enemy fire, sets fire to the U.S. Frigate Philadelphia which had been captured by the pirates.

**DECEMBER 7, 1941 (YOU ARE THERE) (CBS)**

j-h-c-a 27 minutes B&amp;W: \$5.65

The action that plunged America into World War II is vividly portrayed in the scenes of Japan's surprise attack on the American fleet at Pearl Harbor.

**DECIMAL FRACTIONS (JHP)**

i-j-h 10 minutes B&amp;W: \$2.15

Presents, in animation, a simple direct explanation of how decimal fractions are written and what they mean. Shows in detail their relationship to common fractions, but does not elaborate on how they are converted.

**DECIMALS ARE EASY (C)**

i 10 minutes B&amp;W: \$2.15

By following an inductive plan, this film teaches that decimals are an integral part of our number system. First, they are used as an important element of everyday living. Then the film points out the decimals specifically and shows what they mean in terms of the whole decimal system of numbers. Slightly more difficult computations are given at the close of the film, summarizing addition, subtraction, multiplication, and division of decimals.

**DECISION AT WILLIAMSBURG (CWI)**

h-c-a 21 minutes Color: \$5.65

Still color transparencies, historical paintings, drawings, maps and photographs are used as the basis for this motion picture. The American period from the Stamp Act to the surrender of Cornwallis is dramatically depicted along with the causes and events of the American Revolution.

**DECLARATION OF INDEPENDENCE, THE (TFC)**

j-h 20 minutes Color: \$4.65

Re-creates the meetings of the Second Continental Congress in Philadelphia in 1776, which resulted in the writing of the Declaration of Independence by Jefferson, Franklin, John Adams, and their colleagues. *Restricted to classroom use.*

**DECLARATION OF INDEPENDENCE BY THE COLONIES, THE (EB)**

j-h 20 minutes Color: \$6.65

Relates the story of the writing and adoption of the Declaration of Independence. Portrays dramatically the conditions which led American colonists to embark on a struggle for national freedom. Re-enacts the stirring events in which the Declaration was adopted by the Continental Congress.



**DECLINE OF THE ROMAN EMPIRE (C)**

**i-j-h** 17 minutes Color: \$4.50  
 In 200 A.D., Rome was a far-flung empire which reached from the Middle East to Spain, from Northern Africa to Great Britain. In 476, it was invaded and looted by barbarian tribes and ceased to exist as an empire. This film covering this dramatic period uses actual settings in France, England, the Near East and Rome itself to present the political, social, and economic forces which weakened the Empire from within and the forces from without which brought about its decline.

**DECORATIVE METAL WORK (BRF)**

**j-h-c-a** 11 minutes B&W: \$1.90  
 The various steps in the making of an etched bracelet from the sketch of the design through the final polishing operation are demonstrated.

**DEDICATED, THE (UI)**

**h-c-a** 24 minutes Color: no charge  
 Insight into professional education for the health sciences of medicine, dentistry, pharmacy and nursing. It takes the viewer into surgery, experimental laboratories, classrooms and clinics. We see students working with doctors and patients in the University of Illinois' research hospitals. It acquaints viewers with the fascinating and vital education of men and women dedicating their lives to the health and happiness of others.

**DEER AND ITS RELATIVES (C)**

**p-i** 11 minutes B&W: \$1.90  
 Family scenes of the Virginia deer, wapiti, and fallow deer are featured along with shots of the Batrian camel, dromedary, the alpaca, the llama of South America, and its African cousin, the giraffe.

**DEER LIVE WITH DANGER (EB)**

**i-j-h-c-a** 11 minutes Color: \$3.40  
 Shows the struggle for survival among animals of the north woods. Investigates the effects of man upon the deer population.

**DEFEAT OF JAPAN (AIR POWER SERIES) (CBS)**

**h-c-a** 28 minutes B&W: \$5.65  
 The moving story of the U.S. Air Force's preparation for the mission which began on the island of Tinian, in the Marianas, and ended in the awesome mushroom cloud over Hiroshima, and the ultimate surrender ceremony aboard the U.S.S. Missouri.

**DEFENSE AGAINST INVASION (WDP)**

**general** 12 minutes Color: \$3.00  
 Explains in simple fashion through animation and actual photography how vaccination makes the body immune to disease.

**DEFENSIVE FOOTWORK IN BASKETBALL (EB)**

**j-h** 9 minutes B&W: \$2.15  
 Analyzes the two basic defense moves: 1) the parallel movement, which governs lateral guarding motions, and 2) the strike, which governs advancing and retreating motions. Emphasis is placed on correlation of arm movement with footwork, turning, pivoting, and getting into position for taking the ball on the rebound.

**DEFINING DEMOCRACY (EB)**

**j-h** 19 minutes B&W: \$3.65  
 This combined version of the popular single reel films, **DEMOCRACY** and **DESPOTISM**, gives the audience an excellent chance to help discuss and measure democracy. Conditions in a community which cause growth toward democracy or despotism are discussed. This film offers an excellent short definition of democracy.

**DELINQUENT DAD (MFA)**

**j-h-c-a** 11 minutes Color: \$2.15  
 Relates the story of a father who sets many bad examples of driving habits for his 15-year-old son. The father recalls the many stop signs he has run, the trucks he has passed on hills and the ticket he got for following another car too close. All of these incidents were witnessed by his son, including the time when the father tore up the traffic ticket and scorned the law. In the end the son receives his drivers license and sets an excellent example from which his father could profit.

**DEMOCRACY OF BASEBALL (ANL)**

**j-h-c-a** 19 minutes B&W: \$2.15  
 History of baseball featuring some of the past and present stars of professional baseball including Connie Mack, John McGraw, Babe Ruth, Ty Cobb, and Tris Speaker.

**DEMOCRACY'S DIARY (McGH)**

**j-h-c-a** 18 minutes B&W: \$3.85  
 The story of journalism, using the *New York Times* as an example.

**DEMONSTRATING THE GAS LAWS (CHEMISTRY LAB. SERIES) (C)**

**h-c** 21 minutes Color: \$6.65  
 A discussion and demonstration of Boyle's law showing that the volume of a gas varies inversely with the pressure, provided the temperature remains constant; and Charles' law, which states that the volume of a gas varies directly with the absolute temperature, if the pressure on the gas remains constant. The Combined Gas Law is then derived and demonstrated.

**DEMONSTRATIONS WITH LIGHT (MIS)**

**j-h-c** 12 minutes Color: \$3.20  
 Specially designed laboratory equipment is used to illustrate the various theories of light . . . its nature, speed, and means of propagation. Persistence of vision is explained and illustrated. This film is especially effective in motivating student interest in the physical sciences.

**DENMARK (THIS WORLD OF OURS SERIES) (IFI)**

**i-j-h** 10 minutes Color: \$2.65  
 Major historical, industrial, geographical and scenic highlights of this country are shown.

**DENMARK, FAIRYTALE LAND (FON)**

**j-h-c-a** 14 minutes Color: \$5.00  
 Pictures the places and scenes which were known to Hans Christian Andersen. Also includes pictures of Denmark's up-to-date dairy production.

**DENSITY (JUNIOR SCIENCE SERIES) (McGH)**

**j-h** 11 minutes B&W: \$2.15  
 Explains density, specific gravity, and what a hydrometer is and how it works. Shows stunts with density that children can do. Also shows how to make a hydrometer and how it is used to test an automobile battery.

**THE DENTAL ASSISTANT—A CAREER OF SERVICE (HEW)**

**h-c** 13 minutes Color: \$2.15  
 This film introduces us to the dental assistant and the preparation for a career in the field. Not only must the dental assistant be familiar with the technical aspects of the dentist's work, but she must be able to manage the dentist's office and act as a secretary and receptionist for the office. Training includes personal make-up and hair styling.

**DENTAL HEALTH: HOW AND WHY (C)**

**i-j** 10 minutes B&W: \$2.15, Color: \$3.40  
 Presents a dramatic review of what research and experiments have done to promote better dental health for the American public. Brings you an up-to-date report on diet and its relation to the growth and decay of teeth, new sodium fluoride applications, and the latest techniques of oral hygiene. The coveted Seal of Approval of the American Dental Association has been awarded to this film.

**DEPART DE GRANDES VACANCES (FRENCH FILM READER SERIES) (IFB)**

**j-h-c-a** 12 minutes B&W: \$2.10  
 The Martins, a French family, live in a suburb of Paris with their three teen-age children. A humorous sequence about the family as they leave by automobile for a vacation in the country. French dialogue.

**DEPARTMENT MANAGER, THE (NATURE OF WORK SERIES) (McGH)**

**c-a** 27 minutes B&W: \$5.35  
 This film points out the effect of promoting a man to a "better" job for which he is not suited. We observe the change in a man who was moved up the ladder from creative work, which he enjoyed and excelled in, to managerial work. We see the effect on both the man and the company, after the promotion.



**DEPTHS OF SPACE, THE—EXTERIOR GALAXIES (ISO)**

j-h-c-a 15 minutes B&amp;W: \$2.25

Astronomical photographs by observatories of the United States are used in a study of galaxies. Enables the analyzing of the general contents of space to a photographic limit of two billion light years.

**DER RHEIN (IFB)**

h-c 14 minutes Color: \$4.40

This German language teaching film is narrated in slowly, distinctly spoken German, consisting of short sentences and simplified construction, and is easily understood by second-year German classes which have been prepared for the showing. The film subject is a trip along the Rhine from Köln to Mainz, presenting views of commerce on the river and of places along the way made famous by German legend, history and song.

**DER SCHWARZWALD (IFB)**

j-h-c 12 minutes Color: \$4.10

The villages, farms and resorts of Germany's Black Forest are the subjects of this film for use by intermediate classes. Typical architecture and scenic beauties of Baden-Baden, Freiburg, Pforzheim, Triberg and Donaueschingen are shown.

**DERIVATION OF PASCAL'S LAW: PART I (ELEMENTARY HYDRAULICS) (CAA)**

h-c 15 minutes B&amp;W: \$2.15

Points out the importance of electric hydraulic power aboard ship. Proves that oil is lighter than water, defines density, pressure, and force, and explains how to determine each in a given amount of fluid.

**DERIVATION OF PASCAL'S LAW: PART II (ELEMENTARY HYDRAULICS) (CAA)**

h-c 17 minutes B&amp;W: \$2.15

Shows several experiments that prove that liquids transfer force equally to all parts of the container. Explains the operations of several types of pressure gauges and repeats Pascal's law.

**DESCRIBING AN INCIDENT (C)**

j-h 9 minutes B&amp;W: \$2.15

Here is an incident poorly described, and then the same incident interestingly, completely, colorfully described. This film is an unusual participation device which stimulates class interest in the development of descriptive ability.

**DESCRIPTIVE GEOMETRY: FINDING LINES OF INTERSECTION BETWEEN TWO SOLIDS (UW)**

h-c-a 22 minutes B&amp;W: \$2.85

Methods of determining intersecting lines of a cylinder and a cone by passing planes through objects on an orthographic drawing.

**DESERT NOMADS—FRENCH MOROCCO (UW)**

i-j-h 21 minutes B&amp;W: \$4.15

This film centers on the life of the nomads who are found in the dry land regions of the world. The tribes of nomads in the Sahara, south of the Atlas Mountains, are seen wandering from place to place, but always returning to the oasis to exchange their products for agricultural crops. These people, like all desert tribes, are dependent upon the camel for transportation.

**DESERT VICTORY (BIS)**

j-h-c-a 60 minutes B&amp;W: \$5.90

The story of the British Eighth Army's defeat of General Rommel in Africa. Shows the victory at El Alamein and the advance across the desert to Tripoli. Won the Academy Award for documentary films in 1943.

**DESERTS (PRIMARY GEOGRAPHY) (GA)**

p-i 10 minutes B&amp;W: \$2.15

This film shows how deserts are made. The various plants that grow on the California deserts are also illustrated. We see how irrigation changes desert lands.

**DESIGN (BFS)**

j-h-c-a 11 minutes Color: \$3.40

A nontechnical formula for basic design by use of animation. How to make flat surfaces interesting and effective by application of basic shapes, combining basic shapes, repeating shapes, stylization, exaggeration, and distortion.

**DESIGN AND MAN (UIO)**

h-c-a 12 minutes Color: \$3.40

Makes it clear that man's impact on his surroundings and his efforts to modify and adapt his environment to his own purposes are dynamic processes. Such modification is shown to be the essential element of design, and the conceptual functions of space, form, color, texture, and material become evident in the designer's use of these attributes in the solutions he devises for various design problems. Shows specimens of modern furniture, tools, and the "flex-dome," a portable outdoor shelter.

**DESIGN FOR ABUNDANCE (UI)**

h-c-a 22 minutes Color: N.C.

This film is about plant pathology. It depicts the causes, symptoms, preventions, and cures of many common plant diseases.

**DESIGN FOR PHYSICAL EDUCATION IN THE ELEMENTARY SCHOOL (WU)**

c-a 20 minutes B&amp;W: \$4.85

Shows a physical education specialist and a teacher working together to solve some of the first emotional and social problems in the 9 and 10 year age group.

**DESIGN IN SILVER (LOB)**

j-h-c-a 11 minutes Color: \$3.40

Steps in the creation of a piece of handmade jewelry (a pendant) are illustrated. Processes shown include bending wire, cutting, sawing, filing, soldering, pickling, oxidizing, and polishing.

**DESIGN OF AMERICAN PUBLIC EDUCATION (AMERICAN PUBLIC EDUCATION SERIES) (McGH)**

c-a 16 minutes B&amp;W: \$3.75

The structure of American public education, first as it might be if it were an "assembly line" educational process controlled centrally, and then as it actually is in a democratic society—constitutional delegation of education to the various states with decentralization and state supervision.

**DESIGN TO MUSIC (CREATIVE HANDS SERIES) (IFB)**

i-j-h-c-a 5 minutes Color: \$2.40

Music, as an aid to one's kinesthetic sense in drawing and painting, is described to the art student. An artist draws lines to music while the narrator discusses music as a stimulant to good design. It indicates how music can be interpreted with color, as well as line and space.

**DESK FOR BILLIE, A (NEA)**

c-a 60 minutes B&amp;W: \$8.40

The true story of Billie Davis, child of migrant parents, who struggles to acquire an education in spite of the nomadic existence of her family and the series of schools she has to attend. Dramatizes her problems of acceptance and adjustment and the help given her by the parents and teachers in the public school system. Illustrates the theme, "An educated people moves freedom forward."

**DETERMINATION OF ATOMIC WEIGHT (CHEMISTRY LAB. SERIES) (C)**

h-c 18½ minutes B&amp;W: \$3.70

The specific heat of copper is determined experimentally and this value is used to calculate and approximate atomic weight for copper. The equivalent weight of copper is determined by reducing a known quantity of copper oxide with hydrogen. From this data, the atomic weight of copper is calculated in the conventional way.

**DEVELOPING FRIENDSHIPS (C)**

h 11 minutes B&amp;W: \$2.15

It is vitally important that young people understand how real friendships are developed and maintained. The film shows how a teen-ager learned to be a friend and how his new attitude enabled him to appreciate persons of various backgrounds and personalities.

**DEVELOPING IMAGINATION (C)**

h-c 10 minutes B&amp;W: \$2.15

Can a person actually develop his imagination? Is there a simple way to use imagination so it will enrich reading, writing, speaking, problem solving? The answer is "yes" and this film will interest boys and girls in the value of imagination and help them to develop and relate imagination to its many study and social functions.



**DEVELOPING LEADERSHIP (C)**

**h-c** 10 minutes **B&W: \$2.15**  
 Bert knew what to do when a flood struck Greenview. With enthusiasm, vision, imagination, and readiness to assume responsibility, he directs a job well done. The film shows how to become a leader, how to become a good member of the group, and illustrates the qualities of leadership.

**DEVELOPING RESPONSIBILITY (C)**

**i-j-a** 10 minutes **B&W: \$2.15**  
 This story concerns a boy and a dog. The film illustrates a lesson in responsibility. It is seen that although responsibilities often entail hard work, difficult decisions and missing out on some fun, the rewards are both material and spiritual which more than compensate. It is also seen that through planning and determination, a fuller and happier life will be in the offing.

**DEVELOPING SELF-RELIANCE (C)**

**j-h** 10 minutes **B&W: \$2.15**  
 This film relates why dependency grows and tells why self-reliance is necessary to successful endeavor and happiness. The steps in developing self-reliance are analyzed, and careful distinction is drawn between dependency and seeking advice or help.

**DEVELOPING SHORTHAND SPEED (McGH)**

**h-c-a** 17 minutes **B&W: \$3.65**  
 Mrs. Madeline S. Strony illustrates, through a classroom lesson, procedures which are helpful in all stages of the development of shorthand skill. Demonstrates the presentation of word lists and previews the method of handling homework, and the use of the "minute plan" of skill development.

**DEVELOPING THE NEGATIVE (FUNDAMENTALS OF PHOTOGRAPHY SERIES) (UW)**

**j-h-a** 17 minutes **B&W: \$2.65**  
 Shows mechanical and chemical procedures to be followed in developing the still camera film and explains composition of the developing fluid.

**DEVELOPING YOUR CHARACTER (C)**

**j-h-c-a** 10 minutes **B&W: \$2.15**  
 Illustrates what good character is and how it can be achieved in order to live more happily and more successfully. Influences from the home, church, school and friends which mold an individual's character are described, and a guide to developing character is presented.

**DEVELOPMENT OF A STANDARD, THE (CAA)**

**h-c** 17 minutes **B&W: \$2.15**  
 Explains the working of ICAO and how the technical standards are developed. Emphasizes the great amount of work and thought and care behind each one, and the spirit of international cooperation in which this work is done.

**DEVELOPMENT OF COMMUNICATIONS (FROM TELEGRAPH TO TV) (EB)**

**i-j-h** 10 minutes **B&W: \$2.15**  
 Traces the development of modern methods of communication, including television, teletype, wire-photo, and the germanium transistor. Depicts Morse developing the telegraph by combining earlier inventions of Volta, Watson, and Henry. Recalls Bell's work on the telephone; discloses Marconi discovering the possibilities of the wireless, and De Forest of radio. Portrays modern communications instantaneously connecting the remotest parts of the world.

**DEVELOPMENT OF INDIVIDUAL DIFFERENCES, THE (McGH)**

**h-e-a** 15 minutes **B&W: \$2.65**  
 Illustrates the relative influence of heredity and environment upon behavior and shows how family resemblances in behavior are handed on from generation to generation.

**DEVELOPMENT OF THE CHICK, THE (UW)**

**j-h-c** 10 minutes **B&W: \$2.15**  
 Shows the development of the chick throughout the period of incubation. The hatching process and the subsequent growth of the chick to maturity are seen in detail. The chick grows into a young pullet and the life cycle is ready to be repeated.

**DEVELOPMENT OF THE CHICK EMBRYO (C)**

**j-h-e** 5 minutes **Color: \$2.40**  
 Living chick embryos are seen during the key stages of development from the early germinal spot on the egg yolk to the emergence of the chick from the shell.

**DEVELOPMENT OF TRANSPORTATION IN THE UNITED STATES (EB)**

**i-j-h** 11 minutes **B&W: \$2.15**  
 Surveys the rapid growth of transportation in the United States from the time when Indians had no wheel and no beast of burden to the present day when jet aircraft can span the continent in a few hours. Reviews the economic and social significance of modern transportation facilities in permitting unlimited travel between peoples of the world.

**DEVIL OF THE DEEP (UW)**

**i-j-h** 8 minutes **B&W: \$1.70**  
 Old Cap McGee breaks a nautical law. Deep-sea cops take him to Judge Davy Jones who phones the navy.

**DIARY OF A SERGEANT (UW)**

**h-c-a** 22 minutes **B&W: \$2.15**  
 Traces the treatment of an amputee in an army hospital and his rehabilitation, including his skillful manipulation of artificial arms and hands.

**DIE TIERE IN DER STADT (IFB)**

**j-h-c** 12 minutes **B&W: \$2.65**  
 Photographed in Munich, the film includes scenes of many wild and domestic animals. Narration is entirely in the present tense, and the film can be used effectively in classes which have had one semester of German.

**DIESEL ENGINE (IDEAL DIESEL CYCLE) (McGH)**

**h-c** 7 minutes **B&W: \$2.15**  
 The six processes in the diesel engine cycle are explained with the aid of diagrams showing the motion of the piston in a cylinder. Ideal conditions are assumed and the resulting ideal diesel cycle is plotted on a pressure-volume diagram while the actual processes are taking place. Factors affecting efficiency are discussed.

**DIESEL—THE MODERN POWER (GM)**

**j-h-c-a** 19 minutes **B&W: \$2.55**  
 Opens with a sequence of animation showing the fundamental principles of the diesel engine. Then explains the operations of this form of power. Shows its uses in power houses, streamlined trains, switching engines, boats and other uses.

**DIGESTION: PART I (UW)**

**j-h-e-a** 18 minutes **B&W: \$3.65**  
 Study of the mechanical and muscular processes involved in the digestion of food. Animated diagrams are used to emphasize and clarify the detail of each process.

**DIGESTION: PART II (UW)**

**j-h-e-a** 19 minutes **B&W: \$3.85**  
 Shows chemical changes involved in the digestion of the three main types of foods—carbohydrates, proteins and fats.

**DIGESTION IN OUR BODIES (C)**

**i-j** 11 minutes **Color: \$3.60**  
 The steps in the digestive process are traced and functions of main organs explained. We are shown how and why food must be digested before the body can use it, and why correct eating attitudes and habits are important. X-ray techniques and simplified diagrams help explain digestion.

**DIGESTION OF FOODS (EB)**

**j-h-e** 10 minutes **B&W: \$2.15**  
 A summary of the digestive process including the work performed in mouth, stomach, and small intestine. Illustrates mechanical aspects such as mastication, swallowing, stomach contractions, intestinal segmentation, and intestinal peristalsis, and depicts chemical reactions of various digestive juices. Animation shows absorption of digestive products into the blood.

**DIGGING INTO HISTORY: PART I—EXPLORATION (UI)**

**h-c-a** 14 minutes **Color: \$4.15**  
 An expedition from the University of Illinois travels to the lower Illinois River and finds traces of an early Indian village. It uncovers a house 40 feet in diameter and finds a skeleton of a dog, a small child, and an old man.

**DIGGING INTO HISTORY: PART II—AN EARLY ILLINI (UI)**

**h-c-a** 14 minutes **Color: \$4.15**  
 An artist sculpts the features with clay over a replica of the skull found in the early Hopewell village discovered on the banks of the lower Illinois River.



**DINING TOGETHER (IFI)**

**j-h** 10 minutes **B&W: \$2.15**  
Shows the manners and conduct of two small boys at a family Thanksgiving dinner at which guests are present. The pleasure in knowing how to behave correctly is emphasized.

**DINNER PARTY (IFI)**

**j-h-c-a** 22 minutes **B&W: \$4.15**  
Proper table etiquette is dramatically presented by a group of adolescents at a formal dinner party. A full three course dinner consisting of the soup, meat and dessert is served.

**DINOSAUR AGE, THE (FA)**

**i-j** 15 minutes **Color: \$4.50**  
Presents the age of dinosaurs through the work of museum paleontologists.

**DIODE (UW)**

**h-c-a** 17 minutes **B&W: \$2.65**  
Explains the principles of electron flow across a gap; basic features of the diode tube; control of electron flow in the tube; photoelectric cells; X-ray tubes; and the diode as a rectifier.

**DIPPY DIPLOMAT (WOODY WOODPECKER) (UW)**

**general** 7 minutes **B&W: \$2.25**  
Wally Walrus barbecues food for a diplomat until Woody starts gags to get a free lunch. Wally shoots him like an arrow but Woody comes back disguised as the diplomat. It's a feast of laughs.

**DIRECTING A PLAY (IFB)**

**h-c-a** 11 minutes **B&W: \$2.15**  
Dr. Gnesin of the Goodman School shows how "business" of characters is developed and how rehearsals are conducted. An adaptation by Louise Dale Spoor of Mark Twain's "Tom Sawyer" serves as an illustrative example.

**DISASTER CONTROL (McGH)**

**h-c-a** 21 minutes **B&W: \$4.15**  
A "blueprint" for the formation of a functioning "disaster control organization" in an industrial plant. Indicates the setup and duties of the plant defense coordinator, fire-fighting units, police or security department, sanitation control group, salvage unit, air raid warden service, and communications unit.

**DISCIPLINE DURING ADOLESCENCE (McGH)**

**c-a** 16 minutes **B&W: \$3.65**  
Deals with the question of how much discipline is good for adolescents. Consequences of too little or too much parental control are dramatized in a typical family setting.

**DISCIPLINE: GIVING ORDERS (CAA)**

**h-c-a** 14 minutes **B&W: \$2.65**  
The importance of disciplining a person properly and giving orders clearly is stressed. Results are compared when one office emphasizes gaining the workers' confidence and one makes threats and instills fear in the employees.

**DISCIPLINE: REPRIMANDING (CAA)**

**h-c-a** 10 minutes **B&W: \$1.65**  
Shows several examples of proper and improper reprimanding of employees by supervisors, and how the efficiency and production of an office can be increased or decreased, depending on how the situation is handled.

**DISCOVERING COLOR (FA)**

**i-j** 15 minutes **Color: \$5.20**  
An elementary film for both art and science classes which combines the science and art of color into a visual presentation that is at once stimulating, beautiful, and educational.

**DISCOVERING THE LIBRARY (C)**

**p** 8 minutes **B&W: \$2.15**  
The public library with its many features is a wonderful place for children. Bobby visits the children's section where he finds not only books, but also catalogues and special book lists. In short, he finds that the library is a fun-filled place.

**DISCOVERY AND EXPLORATION (EB)**

**i-j-h** 9 minutes **B&W: \$2.15**  
Describes, with animated drawings, the North American territory involved during the period of discovery and exploration

from 1492 to 1700. Sequences include paths followed by explorers from the Old World in seeking new routes to the East; the Spanish conquests; early northern trade routes; and mid-continent developments. The narration gives due significance to the human motives involved.

**DISCOVERY OF ANESTHESIA, THE (YOU ARE THERE) (CBS)**

**j-h-c-a** 27 minutes **B&W: \$5.65**  
A memorable date in medical history is that of October 16, 1846, when Dr. Morton's new pain-suppressor (ether) was used successfully in a surgical operation in Boston.

**DISCOVERY OF RADIUM, THE (YOU ARE THERE) (CBS)**

**j-h-c-a** 27 minutes **B&W: \$5.65**  
Reconstructs events of April 20, 1902, in Paris, as Pierre and Marie Curie finally isolate the new element, radium. Walter Cronkite reports the event.

**DISCUS, THE (UW)**

**j-h-c** 10 minutes **B&W: \$2.15**  
In stressing fundamentals, condition, and form, this film demonstrates principle of centrifugal force, muscle development for side arm throw, grips, finger roll, heel and thumb pressure, finger exercises, clockwise spin, and hip snap.

**DISCUS (TRACK AND FIELD INSTRUCTION SERIES) (RF)**

**j-h-c** 13½ minutes **B&W: \$2.60**  
Shows principles of the discus throw. The technique is shown through the analysis of championship-type throws. With the aid of slow motion, the essential points of form are made vivid. In the film we work with an inexperienced candidate and put him through the drills needed to acquire good form.

**DISCUSSION IN DEMOCRACY (C)**

**j-h-c** 11 minutes **B&W: \$2.15**  
What a world of difference there is between the constructive results of a well-organized, democratic discussion and those of a mere argument. In this film story, a typical group of students learn, through expert advice and through their own experiences, the relationship of organized discussion to a democratic society—and they develop a three-fold program for the leader and the participants in any discussion, involving: 1) Preparation, 2) Planning, 3) Personalities.

**DISCUSSION IN THE SOCIAL SCIENCES (EB)**

**h-c-a** 21 minutes **B&W: \$4.15**  
Illustrates an on-the-spot record of an unrehearsed discussion in a first-year college class in social sciences. Presents discussion as a method of teaching by showing students and teacher examining Horace Mann's essay on free universal education. Points out the role of the instructor as a guide, and illustrates the contribution of the students to a well-planned, skillfully executed discussion period.

**DISCUSSION PROBLEMS: CHEATING (McGH)**

**i-j-h** 11 minutes **B&W: \$2.15**  
The dramatic portrayal of a situation in which cheating occurs in the classroom. Designed to stimulate discussion of the causes and effects of cheating as a form of dishonesty.

**DISCUSSION PROBLEMS: THE GOOD LOSER (McGH)**

**i-j-h** 13 minutes **B&W: \$3.00**  
A boy who is accustomed to winning finds himself in the role of the loser. In this unfamiliar situation, he has difficulty in accepting his defeat gracefully.

**DISCUSSION PROBLEMS: OTHER PEOPLE'S PROPERTY (McGH)**

**i-j-h** 10 minutes **B&W: \$2.15**  
A story revolving around damage to school property in which three boys start out on a prank which "snowballs" far beyond their original intentions.

**DISCUSSION PROBLEMS: THE PROCRASTINATOR (McGH)**

**i-j-h** 10 minutes **B&W: \$2.15**  
Pictures re-enactment of a situation in which procrastination on the part of one of the student leaders almost ruins plans for a class party.

**DISCUSSION PROBLEMS: RESPONSIBILITY (McGH)**

**i-j-h** 13 minutes **B&W: \$2.65**  
Story of a high school boy who finds difficulty in meeting and carrying through his responsibilities.



**DISCUSSION PROBLEMS: THE BULLY (McGH)**

i-j-h 10 minutes B&amp;W: \$2.15

The dramatization of a situation revolving around the too aggressive boy. Designed to provoke discussion on this everyday group problem.

**DISCUSSION PROBLEMS: THE GOSSIP (McGH)**

i-j-h 14 minutes B&amp;W: \$3.00

The intriguing dramatization of a high school situation in which gossip, rumors and failure to check facts lead to unfair and unfortunate results. Stimulates thought and discussion on these general problems.

**DISCUSSION PROBLEMS: THE GRIPER (McGH)**

i-j-h 11 minutes B&amp;W: \$2.15

A boy who comes from a family of grippers is snubbed by his school friends when he constantly spoils their fun. The viewer is asked to help solve his problem.

**DISCUSSION PROBLEMS: THE OTHER FELLOW'S FEELINGS (McGH)**

i-j-h 10 minutes B&amp;W: \$2.15

Shows the everyday problem of teasing or ridicule that is prolonged to the point where it does serious damage to someone's feelings. Designed to stimulate group discussion on this general problem.

**DISCUSSION PROBLEMS: THE OUTSIDER (McGH)**

i-j-h 14 minutes B&amp;W: \$2.15

Shows a young girl who feels that she is rejected by her school group.

**DISCUSSION PROBLEMS: THE SHOW-OFF (McGH)**

i-j-h 11 minutes B&amp;W: \$2.15

A boy gives his high school class a bad reputation by always showing off and thus causing trouble. The viewer is asked to help solve the class's problem.

**DISCUSSION PROBLEMS: THE SNOB (McGH)**

i-j-h 14 minutes B&amp;W: \$3.20

Through the story of a high school girl whose attitude toward her schoolmates causes her to be labeled a "snob," this film explores the basic problem of snobbery and the reasons for it.

**DISCUSSION PROBLEMS: THE TROUBLEMAKER (McGH)**

i-j-h 13 minutes B&amp;W: \$3.00

The dramatic story of a boy who turns troublemaker as a way of satisfying his own needs. Shows the interaction between the troublemaker and his peer group, and attempts to stimulate class discussion of what makes him behave that way.

**DISCUSSION PROBLEMS: UNDERSTANDING OTHERS (McGH)**

i-j-h 12 minutes B&amp;W: \$2.55

A dramatic plea to judge the other person for his true value, ability, and net worth, rather than by his economic background, social skills and ability to be one of the group.

**DISCUSSION PROBLEMS: WHAT ABOUT ALCOHOLISM (McGH)**

j-h-c 11 minutes B&amp;W: \$2.15

Presents different approaches to alcoholism. Follows a high school class as they investigate law and medicine and interview individuals in order to obtain their views on alcoholism. This film is designed to stimulate discussion of the nature, cause, and treatment of this social ill.

**DISCUSSION PROBLEMS: WHAT ABOUT DRINKING (McGH)**

j-h-c 11 minutes B&amp;W: \$2.15

A dramatic situation in which the report of an accident precipitates a discussion by a group of teen-agers on attitudes toward use of alcoholic beverages. Designed to provoke group discussion of individual and group attitudes on the topic.

**DISCUSSION PROBLEMS: WHAT ABOUT JUVENILE DELINQUENCY (McGH)**

i-j-h-a 11 minutes B&amp;W: \$3.15

Complications arise when a teen-age gang beats up an innocent citizen, and the victim turns out to be the father of another member of the gang. The city council determines to take drastic steps which will affect all the youth of the community, good and bad. The final conclusion is left to the citizens and the well-behaved young people.

**DISCUSSION PROBLEMS: WHAT ABOUT PREJUDICE (McGH)**

i-j-h 12 minutes B&amp;W: \$2.55

This film examines the damage done by a group to a classmate because of prejudice, and shows the individual's emotional reactions when the "truth" is revealed.

**DISCUSSION PROBLEMS: WHAT ABOUT SCHOOL SPIRIT (McGH)**

i-j-h 15 minutes B&amp;W: \$3.10

Suggests that school spirit, rather than the immature concept of the frenzied sports rally, is a form of citizenship requiring the assumption of responsibilities.

**DISCUSSION TECHNIQUE (UW)**

h-c-a 28 minutes B&amp;W: \$4.00

Shows how to conduct a discussion among enlisted personnel by the use of the forum, panel, symposium, debate, conference and informal groups.

**DISTANCE RACES (EB)**

j-h 8 minutes B&amp;W: \$2.15

Permits careful study of form and style in the 800 meter, 1500 meter, and 5000 meter races, and in the 3000 meter steeplechase. Contrasts style of the distance runner with that of the dash man. Emphasizes correct techniques in the start, the finishing spurt. Utilizes slow-motion photography.

**DISTRIBUTING AMERICA'S GOODS (EB)**

j-h-c 11 minutes B&amp;W: \$2.15

Shows present sources of transportation costs to the producer, wholesaler, retailer and some ways distributors and consumers can cooperate to reduce distribution costs.

**DISTRIBUTION OF FOODS (EB)**

j-h-c 10 minutes B&amp;W: \$2.15

Depicts how improvements in transportation, storage, processing and preservation have facilitated food distribution on a world basis. Shows economic problems of individual income, distributing costs and trade barriers, and suggests solutions.

**DITCHING WITHOUT HEDGING (CAA)**

c 19 minutes B&amp;W: \$2.15

British film made to show how a plane may be ditched in water in such a manner that the pilot has time to escape.

**DIVIDE AND CONQUER (OWI)**

h-c-a 58 minutes B&amp;W: \$6.15

Captured German film gives a picture of the Nazis' striking through Holland and Belgium to crush France and force the Dunkirk evacuation during World War II.

**DIVIDEND IN DEPTH (CAT)**

h-c-a 17 minutes Color: \$2.15

Shows the problems of hard pan and other impervious subsoils. Gives detailed and accurate pictures of how machinery and animals compact the soil. A solution to the problem with the Caterpillar tool bar attachments is then presented. Several types of subsoil tillage equipment are shown.

**DIVING FUNDAMENTALS (OF)**

j-h-c-a 11 minutes B&amp;W: \$1.65

Brief history of the sport of diving with various diving fundamentals explained and demonstrated. Instructor is Fred Cady, University of California, who has coached American Olympic teams.

**DIVISION IS EASY (C)**

i 10 minutes B&amp;W: \$2.15

A companion film to MULTIPLICATION IS EASY, this film helps children to understand division, to know why division is important, and to know what to learn in order to master this basic arithmetical process. The film may be used to introduce the study, to enrich it, or to review in later grades.

**DIVISION OF FRACTIONS (KB)**

i-j 12 minutes B&amp;W: \$2.15

The rule "invert the divisor and multiply" is established by examples.

**DIZZY ACROBAT (UW)**

general 8 minutes B&amp;W: \$1.15

Woody Woodpecker tries to sneak into a circus. The results are really dizzy.



**DIZZY KITTY (UW)**

p-i 8 minutes B&amp;W: \$1.70

Andy's pop grooms an alley cat for a show and tries to bathe the cat. Andy chases the cat to the swimming pool and furious fun starts on the springboard.

**DNA: MOLECULE OF HEREDITY (EB)**

h-c-a 16 minutes Color: \$5.60

Dr. George W. Beadle of the California Institute of Technology explains, with the help of photomicrography, animation, models, and live subjects, why DNA, a giant molecule in the cell's chromosomes, is the basis of growth, reproduction, and mechanism for transporting hereditary "specifications" from one generation to the next.

**DO BETTER ON YOUR EXAMINATIONS (C)**

h-c 10 minutes B&amp;W: \$2.15

Four basic rules that students can follow to do better on their examinations are presented. These rules are demonstrated and the various types of exams—and the purpose of them—are presented. Students see, too, how to prepare for tests and learn how to cultivate a positive attitude towards tests by understanding the purposes, objectives and values of examinations.

**DO I WANT TO BE A SECRETARY? (C)**

h 10 minutes B&amp;W: \$2.25

Shows not only the skills, personal qualities, educational requisites and principal duties of a secretary, but also how one girl in a beginning secretarial course is assisted in deciding if she wants to be a secretary.

**DO UNTO ANIMALS (USDA)**

j-h-c 20 minutes B&amp;W: \$2.90

Thousands of hogs, sheep, and cattle are killed or injured each year in transit to market, with tremendous loss resulting to stockmen and packers, and needless suffering among animals. The United States Department of Agriculture and the National Livestock Loss Prevention Board seek to eliminate these conditions through improved methods of shipping and handling.

**DO WORDS EVER FOOL YOU (C)**

i-j 10 minutes B&amp;W: \$2.15

Simple situations illustrate word problems in human relationships, in business, and in politics.

**DO YOU REMEMBER (OF)**

i-j-h-a 7 minutes B&amp;W: \$1.20

A community sing organologue with such songs as *When You Wore a Tulip*, *Whispering*, *Let Me Call You Sweetheart*, and *Smiles*.

**DOCTOR, THE (EB)**

p-i 10 minutes B&amp;W: \$2.15

Develops an appreciation for the significant role of the medical doctor in modern life. Follows a child specialist through a typical day at his office, at the hospital, and at the home of a patient. Reveals him at such duties as those of making a physical examination, vaccinating a baby, visiting his hospital patients, and diagnosing a case of measles.

**DR. ERNEST JONES (WISDOM SERIES) (EB)**

j-h 27 minutes B&amp;W: \$6.15

Dr. Jones, Dean of English and American psychoanalyst, talks with Lionel Trilling, American author and critic. He presents the first systematic explanation of the basic theory of psychoanalysis, discusses the importance of early childhood experiences and relationships between parents and children in the development of the personality. Examines "Hamlet" from the standpoint of the psychoanalyst and reminisces about his experiences with Sigmund Freud.

**DR. LOUIS FINKELSTEIN (WISDOM SERIES) (EB)**

j-h 28 minutes B&amp;W: \$6.15

The chancellor of the Jewish Theological Seminary of America, eminent theologian, author, and leader in interfaith activities, discusses the perplexing spiritual problems that face America today.

**DR. PAUL J. TILICH (WISDOM SERIES) (EB)**

j-h 28 minutes B&amp;W: \$6.15

The famous Protestant theologian, Dr. Paul Tillich, discusses the fight against Hitlerism that drove him from Germany to the United States and his hopes for the future of the nation and the world. Dr. Tillich was formerly a leader of the German Evangelical and Reformed Church and professor at German universities and is now at Harvard University.

**DR. PINEL UNCHAINS THE INSANE (YOU ARE THERE) (CBS)**

j-h-c-a 27 minutes B&amp;W: \$5.65

In 1793, Dr. Pinel fights for humane treatment of the mentally ill, heretofore treated as incurable criminals. His success in a Paris hospital for the insane was a milestone in the medical annals.

**DR. SPOCK (McGH)**

h-c-a 24 minutes B&amp;W: \$4.90

Presents the theories and practice of Dr. Spock and his suggestions to parents for all kinds of problems in the care and training of babies and children from infancy to the age of six.

**DOES IT MATTER WHAT YOU THINK? (BIS)**

h-c 14 minutes B&amp;W: \$3.15

Discusses the factors which help to form public opinion including the mass media of communication and the exchange of opinions with other individuals. Stresses the responsibility of each person to sift these varied sources of information, make the best decisions he can, and act upon them.

**DOG WANTED (UW)**

p-i 5 minutes B&amp;W: \$1.20

Puddy, the pup, lives a "dog's life" when he becomes the pampered pet of his master's little girl friend. All ends well when the little lady's dog returns home.

**DOGFISH AS A VERTEBRATE, THE (UW)**

h-c 14 minutes B&amp;W: \$2.15

The basic plan of all vertebrates is demonstrated by the dogfish. Digestive, nervous, skeletal, respiratory, circulatory, and reproductive systems are studied.

**DOING HOMEWORK IN GREGG SHORTHAND SIMPLIFIED PART I (McGH)**

h-c-a 10 minutes B&amp;W: \$2.15

The film begins by showing the incorrect ways of doing homework, and then outlines a procedure that will enable students to complete their homework in a shorter time and with greater effectiveness. It demonstrates how to read word lists and connected material, how to copy the "reading and writing practice," and how to read an outline.

**DOING HOMEWORK IN GREGG SHORTHAND SIMPLIFIED, FUNCTIONAL METHOD PART II (McGH)**

h-c-a 10 minutes B&amp;W: \$2.15

A presentation of how *not* to do homework is followed by a demonstration of the correct procedure while using the reading approach; an effective method of using the key so that the student can complete each assignment in a minimum of time, and the proper writing procedure.

**DOLLS OF MANY LANDS (EB)**

p-i 11 minutes Color: \$3.40

Using prize-winning dolls from an international fair in Italy, an Italian cameraman creates a delightful imaginary jaunt around the world from one national doll exhibit to another. Colorful backgrounds representing the native environment of dolls in folk costumes create a life-like illusion and a special musical score underlines the camera presentation.

**DOLPHIN KICK, THE (C)**

i-j-h 8 minutes B&amp;W: \$2.00

With the use of an underwater camera, we see an amazing demonstration of this new swimming technique. An analysis of the body movements used in this stroke is explained by an excellent swimmer as he shows the dolphin kick in actual use. The film stresses the importance of practice in order to master the kick.

**DON QUIXOTE (UW)**

p-i 10 minutes Color: \$3.40

Don Quixote reads romantic tales of knights of old. He gets ideas and fights a dragon when he sees a fair maiden in peril. Later, finding the maiden not so fair, he decides that he is through with romance.

**DONALD IN MATHMAGIC LAND (WDP)**

i-j-h 26 minutes Color: \$8.25

The film is designed to create a new appreciation of the value and importance of mathematics in our daily lives. Donald learns the importance of mathematics from the early Greeks who first discovered some of its basic principles. In successive sequences these principles are related to music, art, architecture, mechanics, sports, and other phases of our daily lives.



**DONG KINGMAN (COFI)**

i-j-h-c-a 18 minutes Color: \$6.15

Follows the Chinese-American watercolorist, Dong Kingman, as he carries a single painting through various stages of completion. Also introduces some of his background, home life, and approach to art. Musical background is authentic Chinese music.

**DONORA (FILM #1) (USWA)**

c-a 17 minutes B&amp;W: \$2.15

This film is a United Steelworkers of America 15-minute television program on various aspects of the union's politics and attitudes toward public affairs.

**DON'T BE A SUCKER (UW)**

h-c-a 20 minutes B&amp;W: \$2.75

Shows the techniques used by Hitler to divide peoples and makes a plea for Americans to be on guard against the same techniques in this country.

**DON'T BE AFRAID (EB)**

i-j 11 minutes Color: \$3.40

This film is designed to aid youngsters in obtaining a basic understanding of fear. Points out that many fears have a useful purpose by serving as a warning of danger. Explains that certain fears are normal, that many will be outgrown, and that others can be overcome.

**DON'T GET ANGRY (EB)**

i-j 11 minutes Color: \$3.40

Explains anger as a natural emotion which cannot be entirely avoided but which can be successfully managed in a mature way. Reveals physiological changes during the period of excitement and emphasizes control of anger in children and adults.

**DOOMSDAY FOR PESTS (JF)**

h-c-a 16 minutes Color: \$2.15

Shows how Pestroy kills all types of bugs and where to apply the various types of the chemical in order to get the best result.

**DOPING TECHNIQUE (CAA)**

h-c 10 minutes B&amp;W: \$2.15

Establishes the necessity for dope in airplane fabric covering and demonstrates the technique of brushing, spraying, sanding, hand rubbing, and waxing.

**DOPPLER EFFECT (PHYSICS SERIES) (McGH)**

h-c-a 8 minutes B&amp;W: \$2.15

The factors determining the pitch of a sound are first explained. Waves are shown advancing toward a listener and the following three cases are then treated: source and listener stationary; source in motion with listener stationary; source stationary with listener in motion.

**DOUBLE WASP WATER INJECTION SYSTEM (CAA)**

c 32 minutes Color: \$2.15

Explains the principle of the water injection system and demonstrates its effectiveness; also shows how to properly install, service, maintain, and use the Pratt and Whitney water injection system.

**DOWN THE GASOLINE TRAIL (JH)**

j-h-c 7 minutes B&amp;W: \$2.00

An animated drop of gasoline is followed step by step through the fuel system. The viewer can see exactly what happens to gasoline on its trip from gas tank to and through the motor and out to the exhaust pipe.

**DOWN WHERE THE NORTH BEGINS (UW)**

j-h-c-a 24 minutes Color: \$4.90

The high mountains, tropical jungles, and modern cities of Ecuador are pictured in brilliant color that highlights the charm of Quito, the capital city, the farms, the Indians, the sleeping volcanoes, and the pictorial beauty of the country.

**DOWN WITH CATS (UW)**

p-i 5 minutes B&amp;W: \$1.20

Winter sports bring out the mice skaters on the mill pond ice for a rollicking carnival until they are surrounded by a horde of villainous cats. Mighty Mouse flies to the rescue and fur flies everywhere.

**DRAFTING TIPS (PSC)**

j-h-c 28 minutes B&amp;W: \$4.90

The film intends to give instruction on the use and care of drafting equipment and to emphasize the importance of cleanliness, accuracy and orderliness in drafting work. It contains also an instruction on proper sheet layout and uses of an alphabet of lines. Graphically it depicts the best procedure in developing a drawing from the beginning to the end.

**DRAFTSMAN, THE (VGF)**

h-c 11 minutes B&amp;W: \$2.15

Describes the characteristics of the drafting profession. Shows various steps in the training of the draftsman. Presents the kinds of drafting used from freehand sketches to detailed finished drawings. The film also explains the application of drafting to machine design and architecture.

**DRAFTSMAN OF DREAMS (FI)**

j-h 18 minutes B&amp;W: \$3.65

By tracing the history of the invention of the typewriter, the camera, and the phonograph, the film gives effective illustrations of the interplay between inventions and social needs. Highlights the role that the Patent Office plays in recording inventions and protecting inventors.

**DRAMA OF STEEL (USBM)**

j-h-c-a 31 minutes B&amp;W: \$2.15

Traces the history of steel making from the crude charcoal furnaces of ancient times to the modern blast and open hearth furnaces.

**DRAWING A PORTRAIT (EB)**

j-h-c-a 9 minutes Color: \$3.80

A demonstration of the basic steps involved in creating a likeness, using a minimum of lines and details as one would do in drawing a preliminary sketch for a painting. A number of simple devices are introduced to aid in developing basic skills: the ability to judge distances by comparing an unknown one with one that is known, and the ability to judge angles. The sequel to this film is PAINTING A PORTRAIT.

**DRAWING FOR BEGINNERS: THE CIRCLE (YA)**

p-i-j 10 minutes B&amp;W: \$2.15

Shows that the circle is one of the basic forms from which many objects are drawn. Gives a number of simple demonstrations.

**DRAWING FOR BEGINNERS: THE RECTANGLE (YA)**

p-i-j 10 minutes B&amp;W: \$2.15

Many objects have the rectangle as their basic form. This film demonstrates this fact and provides several simple demonstrations.

**DRAWING FOR BEGINNERS: THE SQUARE (YA)**

p-i-j 10 minutes B&amp;W: \$2.15

This motion picture gives a number of simple demonstrations that illustrate the fact that the square is one of the basic forms from which many basic objects are drawn.

**DRAWING FOR BEGINNERS: THE TRIANGLE (YA)**

p-i-j 10 minutes B&amp;W: \$2.15

Explains how many objects are derived from basic geometrical forms. In this case several demonstrations show how many objects are derived from the triangle.

**DRAWING WITH A PENCIL (EB)**

j-h-c-a 10 minutes B&amp;W: \$2.15

Theodore Kautzky, artist and well-known authority in the field of pencil drawing, demonstrates the techniques to be used in drawing a picture with a pencil. A 17th century cooper's shop in New England is the subject.

**DRAWINGS AND THE SHOP (ENGINEERING DRAWING SERIES) (McGH)**

c 14 minutes B&amp;W: \$3.40

The engineering drawing and various production operations in shop and factory are interrelated. The film brings out the reasons for certain drafting requirements. Shows briefly the organization of modern production methods and the working of basic machines.



**DRESS FOR HEALTH (EB)**

p 10 minutes B&W: \$2.15  
Shows how different kinds of cloth are woven for special purposes. Explains why we wear different kinds of clothing in different weather. The purpose is to motivate the class to dress suitably.

**DRILL PRESS—BASIC HOLDING TECHNIQUES (EDH)**

j-h-c-a 7 minutes B&W: \$2.15  
The film gives illustrations of the four basic holding techniques commonly used with the drill press in the school and the home workshop. They are:  
a. Safe-edged material held by hand  
b. Material held with pliers  
c. Material held in drill press vise  
d. Material clamped to drill press table

**DRILLING AND TAPPING CAST STEEL (UW)**

h-c-a 18 minutes B&W: \$2.90  
Shows the techniques used when drilling and tapping blind holes in cast steel on a radial drill. A drill jig with loose bushings is used for locating the holes. Throughout the picture the various controls of the machine are pointed out, and the method of using each is demonstrated.

**DRILLING FOR OIL (DPP)**

i-j-h 22 minutes Color: \$6.65  
Operations of drilling an oil well and search for new pools are explained.

**DRILLING IN METAL, WOOD AND PLASTICS (CAA)**

h-a 23 minutes B&W: \$2.15  
Demonstrates and explains several types of drills suitable for use in metal, wood, and plastics.

**DRILLING TO A LAYOUT AND SPOTFACING CAST IRON (UW)**

h-c-a 15 minutes B&W: \$2.90  
Shows the techniques used when drilling to a layout and spotfacing the under side of a flange.

**DRIVE DEFENSIVELY (EB)**

h-c-a 11 minutes B&W: \$2.35  
Through-the-window views, combined with realistic sound effects, virtually place the student in the driver's seat. The driver in the film is not a bad driver. He has many excellent driving skills. His reactions and his ability to handle his car are superior. The film shows how such a driver, despite his own skills, will continually endanger himself and others until he learns to drive defensively.

**DRIVEN WESTWARD (TFC)**

i-j-h-c-a 30 minutes B&W: \$4.65  
Adapted from the feature film *Brigham Young*. Shows the contributions of the Mormons to our national development and demonstrates the necessity for respecting the rights of such minority groups. Dramatizes the persecution of the Mormons in Illinois, the hazardous trek westward under Brigham Young's leadership, and the struggle to survive in the new colony at Great Salt Lake. No reference is made to Mormon doctrine in the film. *Restricted to classroom use.*

**DRIVER TRAINING: ADVANCED TURNING MOVEMENTS (BFS)**

h-c-a 9 minutes B&W: \$2.15  
Demonstrates the proper methods of making the four basic turning movements in driving—changing from one lane to another, making a left turn at a busy intersection, backing into a parallel parking space, and making a U-turn on a narrow street.

**DRIVING ECONOMICALLY (DRIVER EDUCATION) (GM)**

h-c-a 17 minutes B&W: \$2.65  
Part of General Motor's Driver Education Series. This particular film covers the basic area of economical automobile operation.

**DRIVING IN THE CITY (DRIVER EDUCATION) (FMC)**

h-c-a 14 minutes B&W: \$1.65  
Intended primarily for use in high school driver education courses to supplement classroom study and on-the-road training. Some of the hazards and proper procedures to be followed when driving in the city are presented. The picture attempts to bring out the causes of city accidents and the ways in which they could have been avoided.

**DRIVING ON THE HIGHWAY (DRIVER EDUCATION) (FMC)**

h-c-a 14 minutes B&W: \$1.65  
Intended primarily for use in high school driver education courses to supplement classroom study and on-the-road training. Demonstrates many of the safety rules and their proper use. Gives the mistakes made in driving on the highway and the ways in which to correct them.

**DRIVING UNDER ADVERSE CONDITIONS (DRIVER EDUCATION) (FMC)**

h-c-a 14 minutes B&W: \$1.65  
Intended primarily for use in high school driver education courses to supplement classroom study and on-the-road training. One of the most dangerous situations under which one can drive is bad weather, whether it be snow, ice, or rain. This is especially the time for safe driving and the following of the proper procedures.

**DRIVING UNDER SPECIAL CONDITIONS (FMC)**

h-c-a 19 minutes B&W: \$2.90  
The need for safe driving on our streets and highways has never been greater. Shows correct driving techniques under all types of road conditions.

**DROPOUT, THE (IFB)**

c-a 29 minutes B&W: \$5.65  
This is the story of one of the thousands of youngsters who leave high school without graduating. The film shows how a community through remedial reading programs, work experience programs and other education activities may ease the dropout problem. This film helps us to see the scope of the problem and to consider means of keeping the children in school.

**DRUG ADDICTION (EB)**

j-h-a 22 minutes B&W: \$3.85  
The story of a youthful addict emphasizes the hazards of the use of narcotic drugs. Shows the derivation of various drugs, the causes and physiological effects of drug addiction, and the treatment for those who are addicted.

**DRUMS ALONG THE MOHAWK (TFC)**

j-h-c-a 30 minutes B&W: \$4.65  
Shows pioneer life in Western New York State during the Revolutionary period. A small colony of settlers are harassed by Indians who are aroused by British agitators. Good portrayal of American colonial life and frontier defense. *Restricted to Classroom Use.*

**DRUNK DRIVING (TFC)**

j-h-c-a 22 minutes B&W: \$3.15  
An excellent dramatization showing the tragic effects of an accident caused by a drunken man at the controls of a car. Cautions members of the audience "not to drink if you drive, and if you drive not to drink." Recounts the circumstances which led to a tragic accident involving the death of several persons and the ruining of a young man's career. *Restricted to Classroom Use.*

**DRY MOUNT YOUR TEACHING PICTURES (McGH)**

c-a 10 minutes B&W: \$2.15  
Shows step by step, the simple procedure for this type of mounting and indicates the uses and advantages of still pictures in the classroom.

**DUCK AND COVER (ARCP)**

p 9 minutes B&W: \$1.65  
Uses cartoons and live action to show young children what to do in case of an atomic attack. After Bert, the Turtle, sings a song, "Duck and Cover," he demonstrates by ducking into his shell. Then a group of children in school are told by a narrator how to protect themselves during an air raid.

**DUE PROCESS OF LAW DENIED (TFC)**

h-c-a 30 minutes B&W: \$4.65  
An excerpt from the feature film *THE OX-BOW INCIDENT* dramatizing the dangers of denying due process of law and illustrating the necessity of recognizing the rights of individuals as guaranteed by the Constitution. Portrays the lynching of three innocent men, strangers in the town, who are believed guilty when an unsubstantiated report of the murder of a popular ranchman is brought to the townspeople. *Restricted to Classroom Use.*



## DUES AND THE UNION (LABOR AND MANAGEMENT SERIES) (McGH)

c-a 17 minutes B&W: \$4.15  
Tells how Frank Watson, a young pipe fitter, learns the importance of union dues and the services that are made available to him through the union. Frank soon learns the satisfaction that can be had from his activity in the union membership.

## DUMB LIKE A FOX (OF)

p-i 5 minutes B&W: \$1.20  
Junior, the hound puppy, vows to get a fox scarf for his mama even though his pa puts his paw down on a hunting trip. Never having met a fox, Junior is roped in by Mr. Sly Fox himself, and you will never guess what he brings home for mama.

## DUPLICATING BY THE SPIRIT METHOD (BFS)

h-c-a 14 minutes B&W: \$2.90  
Shows the preparation of the master sheet by typing, drawing, use of colored carbons, several techniques for making corrections, and how to place the finished master on the machine. Demonstrates the method of preparing single and multicolored masters and the operation and care of spirit duplicating equipment.

## DUST BOWL, THE (20TH CENTURY) (CBS-McGH)

j-h-c-a 28 minutes B&W: \$5.35  
The story of neglect of the land, neglect of the people who farmed the land, and the exploitation, speculation and complacency which resulted in a mass migration from the drought-ridden areas of the Southwest to California.

## DUTCH TRADITION, THE (OWI)

h-c 27 minutes B&W: \$2.15  
The fundamentals of the Dutch moral strength in the Allied cause for peace and freedom are brilliantly portrayed in this film, made during World War II. Holland made ready for her defenses with the first hint of war. She fought the Nazi invasion to the last weapon and finally opened her canals to flood the Nazi War Machine. How Holland carried on with a stubborn resistance against the Nazi regime is fully shown in this picture.

## DUTCH TULIP GIRL (SILENT) (FOC)

p-i 15 minutes B&W: \$1.50  
Tom, a little American boy, falls asleep and dreams that he is wandering through Holland with Katrina, a little Dutch girl who wears the lace cap, full skirt, and wooden shoes of her native village of Vollandam. Katrina shows Tom the Hague, the art of tree clipping in Aalsmeer, the town of Leiden, the Isle of Marken, and the famous tulip and cheese industries of the Netherlands. She shows him how Dutch children live and play, what their schools are like, and explains why dikes have to be built in Holland.

## DUTCH WAY, THE (FON)

j-h-c-a 21 minutes Color: \$5.90  
The eternal struggle by the Dutch against their biggest foe—and best friend—water. Describes the peaceful growth of the country as more land was added throughout the ages by means of reclamation. Scenes of Holland's schools, universities, bridges, highways, and people are shown.

## DUTIES OF A SECRETARY (NEF)

h-c-a 30 minutes B&W: \$4.15  
Demonstrates proper duties of a secretary by showing the wrong and right ways to handle the job. The wrong ways are shown in a dream which a young secretary has on the eve of beginning a new job.

## DWELLERS IN HOT DRY COUNTRIES (EP)

j-h 10 minutes B&W: \$2.00  
Regional study of desert and semi-desert countries; characteristics of desert countries and influence of mountains on wind and rainfall; adaptation of natives to climate; methods of irrigation and transportation.

## DYNAMIC POSTURE (FOUR PARTS) (AACC)

h-c-a 9 minutes each Color: \$2.15 each  
This film shows the dynamic postures of the body in motion or in action, and points out the direct relation of posture to comfort, mechanical efficiency and physiological functioning. The film was prepared primarily for orthopedic physicians, nurses, physical therapists and physical education teachers. It is also suitable for persons in related fields as well as for students.

## EACH FOR ALL (BIS)

h-c-a 11 minutes B&W: \$1.80  
Shows a meeting of the Trades Union Congress which represents every kind of trade union in Great Britain. Shows how departmental and shop grievances are settled by discussion between trade union representatives and management.

## EACH ONE TEACH ONE (PFPC)

a 20 minutes Color: \$3.65  
Explains Frank Laubach's "each one teach one" program of combating illiteracy in the world. Then shows how he teaches reading to a beggar in India, restoring his self-respect and confidence.

## EARLY AMERICAN CIVILIZATIONS (MAYAN, AZTEC, INCAN) (C)

i-j-h-c 13 minutes Color: \$4.20  
Shows the ruins of great cities, beautiful Mayan carvings, the Teotihuacanos' Pyramid of the sun, the Aztec calendar stone, fine Incan weavings, and other art objects, ruins, and reconstructions. These attest to the highly developed civilizations of the Indians of early America—notably the Mayas of Central America, the Aztecs of Mexico, and the Incas of the Andes. Influences of these cultures upon our own are clearly explained.

## EARLY DAYS, THE (AIR POWER SERIES) (CBS)

h-c-a 28 minutes B&W: \$5.65  
A humorous backward glance at aviation's horse-and-buggy period and serious evaluation of the emergence of the airplane as a military weapon during World War I, narrated by Capt. Eddie Rickenbacker and CBS News Correspondent Walter Cronkite.

## EARLY MARRIAGE (B)

h-c-a 26 minutes Color: \$7.25  
This film is designed primarily as a teaching aid in the high school classroom but its content and basic ideas are challenging and pertinent to other situations in nonschool settings. It is not a sermon on the evils of marriage but rather it advances some ideas about marriage at any age . . . and instigates discussion and thought. The film will stimulate discussions in the classrooms and help mold or discard opinions previously held. A very good marriage readiness film.

## EARLY NATIONAL PERIOD (AMERICAN LITERATURE SERIES) (C)

j-h-c 10 minutes B&W: \$2.25, Color: \$3.40  
The first real literature of America is presented here in the writings of Philip Freneau, William Cullen Bryant and James Fenimore Cooper, who found their subjects in the natural beauty, folk legends, humor and traditions which were characteristically American.

## EARLY SETTLERS OF NEW ENGLAND (SALEM, 1626-1629) (EB)

i-j-h 11 minutes B&W: \$2.15  
Reveals, with authentic setting and costumes, how the hardy pioneers of Salem in 1626 adapted themselves to the new environment and hardships of early New England. Describes how they solved problems of food, shelter, and clothing. Portrays how their faith and cooperation contributed to the successful growth and development of the community during its early years.

## EARLY SOCIAL BEHAVIOR (EB)

c-a 9 minutes B&W: \$2.15  
Depicts the manifestations of infant personality in various social situations by observing ten different children from eight weeks to seven years of age. Individual differences are emphasized. Illustrates the social significance of the home through scenes reflecting parent-child relationships and interaction between brothers, sisters and adults.

## EARNING MONEY WHILE GOING TO SCHOOL (C)

j-h 11 minutes B&W: \$2.15  
This film serves as a guide for students considering outside employment. It shows that work after school can be undertaken if it does not interfere with school work and recreation. In addition to providing extra money, part-time work is valuable in many other ways: increasing responsibilities, understanding the relation between job and school work, learning new skills and ways to get along with people.

## EARS AND HEARING, THE (EB)

j-h-c 9 minutes B&W: \$2.15  
Describes the physiology of the human ear by means of animated drawings and close-up photography of the ear as it is



functioning. Portrays how parts of the ear operate, and records some of the important kinds of sounds in our environment. Explains common causes of impaired hearing and demonstrates how a hearing aid is used.

### EARTH (PRIMARY SCIENCE) (GA)

p-i 9 minutes B&W: \$2.15  
The Rangers become interested in what lies under the ground while excavating for a new club house. They learn about the various resources beneath the surface of the earth and how they are used for man's benefit, and they learn of the importance of the thin layer of top soil which sustains plant and animal life.

### EARTH AND ITS SEASONS (KB)

i-j-h 10 minutes B&W: \$1.90  
Explains why we have changes of seasons, vernal and autumnal equinoxes, and summer and winter solstices.

### EARTH AND THE SEASONS (FORMERLY, SUN, EARTH AND MOON) (AL)

general 9 minutes B&W: \$2.15  
John Kieran explains in layman terms, graphically and pictorially, the reasons for day and night as well as the seasons of the year in various parts of the hemisphere.

### EARTH AND THE SUN'S RAYS (UW)

j-h-c 5 minutes B&W: \$1.65  
Three basic concepts are demonstrated with models and animated diagrams: (1) That there is unequal distribution of the sun's energy over the earth because of the earth's tilted axis; (2) That the earth is surrounded by a layer of air; (3) That the angle at which the sun's rays meet the earth affects the temperatures of various regions on the earth.

### EARTH: CHANGES IN ITS SURFACE (C)

i-j 11 minutes Color: \$3.60  
An erupting volcano, as shown in this film, provides dramatic proof that the surface of the earth is changing. There are, however, other forces not as apparent that are also causing changes in its surface. These forces, both internal and external, are explained and visually demonstrated. Many geological phenomena are shown and defined: anticline, syncline, batholith, solfatar, fault, geyser, weathering, and others.

### EARTH IN MOTION (EB)

h-c-a 11 minutes B&W: \$2.15  
The earth's sphericity is demonstrated, while rotation is established by star trails and the Foucault pendulum. Proof of the earth's revolution about the sun is presented by motion of the sun in respect to stars and by the annual parallax of stars. The film concludes with phenomena associated with this revolution.

### EARTH, THE: ITS ATMOSPHERE (C)

i-j-h 11 minutes Color: \$3.60  
Describes the structure and composition of the earth's atmosphere and shows characteristics of the troposphere, stratosphere, and ionosphere. We learn how the atmosphere provides moisture and gases necessary to life on earth, and how scientific instruments sent into the atmosphere are used to forecast weather.

### EARTH: ITS OCEANS (C)

i-j 13½ minutes Color: \$4.50  
Reveals the changing pattern of the ocean's surface, the living and nonliving things in the waters, the nature of the ocean floor, and the influence of the oceans upon man. The roles of modern scientists—oceanographers, marine biologists, and others—are shown as they work to gain more knowledge of the earth's vast, deep oceans.

### EARTH, THE: ITS STRUCTURE (C)

i-j 11 minutes Color: \$3.60  
Animated drawings present the most widely accepted theory of the formation of our earth and solar system. Through simple sketches, clear shots of various geological phenomena, and laboratory demonstrations, we examine the structure of the surface and interior of the earth: core, mantle, and crust. The latter region is discussed in detail.

### EARTH—LATITUDE AND LONGITUDE (EP)

i-j-h 11 minutes B&W: \$1.65  
Illustrates, with a globe, the meaning of latitude and longitude readings and demonstrates how they are used in locating a ship in distress.

### EARTH MOVERS (OWI)

general 14 minutes B&W: \$2.15  
The U.S. Army Engineers and Seabees are shown in action building bridges, roads, and airstrips.

### EARTH: RESOURCES IN ITS CRUST (C)

i-j 11 minutes Color: \$3.60  
Surveys the major useful organic and mineral substances that are found in the earth's crust. The resources are classified as the metallic minerals, the nonmetallic minerals, and the mineral fuels. We see how some of them are extracted and processed. Emphasized are the ways in which these resources are utilized by man, and the steps we must take to conserve these irreplaceable resources.

### EARTH—ROTATION AND REVOLUTION (EP)

i-j-h 9 minutes B&W: \$1.90  
Describes the rotation and revolution of the earth. Explains why we have night and day, summer and winter and why we have winter in the northern hemisphere when there is summer in the southern. Also explains the climate of the various zones.

### EARTH SATELLITES: EXPLORERS OF OUTER SPACE (EB)

i-j-h-a 17 minutes B&W: \$3.70  
Explains how man-made satellites stay aloft, presents launching of a satellite, describes what we may learn from satellites, and suggests what to look forward to in the future.

### EARTH SINGS, THE (BRF)

h-c-a 12 minutes B&W: \$3.65  
The theme of an ancient and harassed people who return to their homeland and build a new nation is expressed in the Palestinian songs and dances.

### EARTHQUAKE RESEARCH (THE SEARCH) (CBS)

h-c-a 27 minutes B&W: \$5.65  
Tours the underground seismology laboratory at Fordham University and explains how earthquakes are charted and studied, and how seismology provides useful data for highway construction, oil exploration, archaeology and weather research.

### EARTHQUAKES AND VOLCANOES (FA)

general 13 minutes Color: \$3.90  
Presents the causes of earthquakes and volcanoes and the relationship between them. Drawings of inner composition of earth are shown as well as how the face of the earth has been altered by volcanoes in the past. Shows the locations of volcanoes and views of their destructive powers.

### EARTH'S ROCKY CRUST, THE (EB)

j-h-c 9 minutes B&W: \$2.15  
The basic fact of geology—the building up and breaking down of rocks and land—is shown through presentation of the water cycle, the formation of rocks, and crumbling of rocks.

### EARTH'S SKIN (AL)

general 10 minutes B&W: \$2.15  
A look at the surface of the earth. Reveals the strata left by oceans, the formation of rocks and minerals by compression and convulsions through the centuries, and the effects of glaciers.

### EARTHWORM ANATOMY (IU)

h-c 10 minutes Color: \$3.40  
The film begins with an examination of the external features of the earthworm and then dissection begins, showing techniques of cutting and pinning down the specimen. We see five aortic arches or "hearts," which are still in action; the digestive system is traced and extreme close-ups reveal each organ. Many other systems and organs are studied with the aid of close-up photography.

### EARTHWORMS (DPP)

p-i 11 minutes Color: \$3.60  
Explains the earthworm's physical adaptation to life underground. One sees the birth of a baby worm from its cocoon, structure of the body as it develops, the worm eating its way through the earth, forming tunnels for air and water and digesting plant food to enrich the soil.



**EARTHWORMS (UW)**

j-h-c 11 minutes B&W: \$2.15

The earthworm's role in the aeration and enrichment of the soil is shown. The earthworm is dissected and the muscular, circulatory, nervous, digestive and reproductive systems are delineated. The bisexual reproductive process is shown and the emergence of the young worm completes the life cycle story.

**EASIER WAYS OF LOGGING (USFS)**

h-c-a 26 minutes Color: \$6.65

Points out the many sources of information on better logging. Shows how forest work can be made more efficient and easier by giving attention to some of the time-proven fundamentals of logging and how good forestry can be an aid to better wood production.

**EAST AFRICA (PHP)**

general 23 minutes Color: \$6.50

Scenes of the country, animals, people, industries, etc. in Kenya, Tanganyika and Uganda.

**EASTER SEASON, THE (CHURCH VERSION) (C)**

p-i 10 minutes Color: \$3.40

The narration is designed to heighten the religious significance of Easter. As a family goes to church on Easter morning, we explore their thoughts; we see new life which the spring season brings, world-wide celebrations of new births in springtime, and the special hope that Easter holds for Christians everywhere.

**EASTER SEASON, THE (SCHOOL VERSION) (C)**

p-i 10 minutes B&W: \$2.25, Color: \$3.40

Shows the origins of some of our customs at Eastertime, comparing our Easter observances with the spring festivals of other lands and other times. The background of eggs, rabbits, the sun and moon, and bright colors in relation to Easter is portrayed.

**EASTER SURPRISE (EB)**

p 6 minutes Color: \$2.40

A little boy surprises his family at Eastertime with a pet duck and its newly-hatched ducklings.

**EAT FOR HEALTH (EB)**

p-i 11 minutes Color: \$3.40

Using the five fingers of the hand as a check-off device, the film identifies a food group with each finger: bread and butter or margarine, milk and cheese, meat and eggs, vegetables and fruits. Using this system Ralph Waller learns to eat a balanced diet and has more fun because of his better health.

**ECHOES IN PEACE AND WAR (ATT)**

h-c-a 23 minutes B&W: \$2.15

Depicts the story of radar—how it helped win the war, and how it can be adapted to peace-time activities. Much of the footage is in animation which ranges from the principles of telephony to the more intricate phases of sonar and radar development.

**ECLIPSE (AL)**

j-h-c-a 10 minutes B&W: \$2.15

Pictures of an actual total solar eclipse, taken by means of time-lapse photography, illustrate this natural phenomenon. Also shows reasons for eclipses by relationship of earth and moon to sun in various positions as demonstrated by scale models.

**EDGAR ALLAN POE: BACKGROUND FOR HIS WORKS (C)**

j-h-c 14 minutes B&W: \$2.90, Color: \$4.15

Major events of Poe's life are outlined with narrated excerpts and re-enactments from many of his works. "To Helen," "The Fall of the House of Usher," "The Murders in the Rue Morgue," "The Raven" and others reveal, in part, elements which contributed to his stature as critic, literary craftsman, and perfecter of the short story.

**EDUCATION FOR DEMOCRACY (MSTA)**

c-a 22 minutes Color: \$5.15

With actual classroom scenes, the film depicts the manner in which Missouri schools achieve the purposes of education in our American democracy as outlined by the Educational Policies Commission of the National Education Association.

**EDUCATION IN AMERICA: NINETEENTH CENTURY (C)**

c-a 16 minutes B&W: \$3.40

The development of free public school systems from the Northwest Ordinance to 1900 includes: the westward movement; the change to secular education; the influence of American textbooks; the rise and decline of the district school; the struggle for tax support and state control; the contributions of Daniel Webster, William McGuffey, Gideon Hawley, and Horace Mann; the effect of the Civil War; compulsory attendance laws; and the rise of teacher training institutions.

**EDUCATION IN AMERICA: 17TH & 18TH CENTURIES (C)**

c-a 17 minutes B&W: \$3.40

From the early New England School Laws to the educational provisions of the Northwest Ordinance, the beginnings of American education are re-enacted in actual locations of Dame Schools, Latin Grammar Schools, church schools, and pauper schools. With the colonial colleges, these early beginnings were the foundation of education in colonial America.

**EDUCATION IN AMERICA: TWENTIETH CENTURY DEVELOPMENTS (C)**

c-a 16 minutes B&W: \$3.40

Effects of the Industrial Revolution on education. The film shows the influence of Herbart, Binet, Dewey, Thorndike and other outstanding educators in this century. Explains the major trends and problems of this period including the appearance of the junior high school and graduate education, school consolidation, federal aid to education through the depression, the G.I. Bill, and recent Supreme Court decisions.

**EDUCATION IN SPORTS, AN (UI)**

j-h-c 17 minutes B&W: N.C.

Men students enrolling in physical education classes at the University of Illinois will be able to choose from 32 different courses. These courses are broken down into six major areas: 1) Therapeutic, 2) Aquatic, 3) Athletics and Acrobatics, 4) Combatives, 5) Team Sports, and 6) Recreational Sports. Scenes of representative sports in each area are shown.

**EDUCATION IS GOOD BUSINESS (GPP)**

general 11 minutes B&W: \$2.00, Color: \$2.90

Shows that where a community, state or nation courageously invests a substantial share of its resources in education, the investment invariably is returned in better business and a higher standard of living.

**EDUCATION OF EXCEPTIONAL CHILDREN (UI)**

c-a 20 minutes B&W: \$3.25

Depicts all phases of a well-rounded, nationally recognized program for the education of exceptional and handicapped children, including the blind, deaf, crippled, speech impaired, and mentally retarded ones. Emphasis on guidance of the child toward physical therapy and recreational pursuits.

**EDUCATION PLUS—COOPERATIVE OFFICE OCCUPATIONS (KSWC)**

j-h-a 14 minutes Color: \$2.15

The cooperative office occupations program of the Peoria Public School system is presented. Describes how most business can participate and profit through similar programs.

**EFFECT OF HEAT TRANSFER ON FLOW FIELD AT LOW REYNOLDS NUMBERS IN VERTICAL TUBES (SILENT) (UI)**

c-a 7 minutes B&W and Color: \$1.50

Shows the mathematical formulas involved. The head tank, drain, and jacket outlet, as well as other vital equipment are shown. Using dyes, the steady and unsteady states are illustrated.

**EFFECTIVE CRITICISM (C)**

j-h-c-a 9 minutes B&W: \$2.15

Different types of criticism and the differences between evaluative criticism and instructive criticism are outlined. The similarities between the skill of accepting criticism well and of giving criticism are illustrated.

**EGGCRACKER SUITE (UW)**

p-i 8 minutes B&W: \$1.65

At Oswald's Easter Egg Factory, hens lay eggs, rabbits color them, place them in baskets, and take them to boys and girls.



**EGGS (EB)**

**p-i** 11 minutes **B&W: \$2.15**  
 The care and feeding of large flocks of hens in laying houses and the gathering of eggs from open and trap nests is shown. Also shown are the means of cooling the egg, automatic candling, grading, cleaning, and packing of the eggs for market. The uses of technological methods in modern, large scale egg farming are illustrated.

**EGYPT (THIS WORLD OF OURS SERIES) (IFI)**

**i-j-h** 10 minutes **Color: \$2.65**  
 A survey of the life and work of the Egyptian people.

**EGYPT AND THE NILE (EB)**

**i-j-h** 17 minutes **Color: \$5.65**  
 A vivid picture of Egypt and the Nile Valley of today against the background of a rich and long history. Follows the Nile from its headwaters to the sea and the Suez Canal. Shows the importance of the river to Egyptian life.

**EGYPT—KINGDOM OF THE NILE (TFC)**

**j-h-c-a** 7 minutes **B&W: \$1.65**  
 Shows Egypt and its historic Nile. Views of Luxor, ruins of the Temple of Rameses the Second, the Valley of the Kings, Cairo, pyramids and the Sphinx are included. *Restricted to Classroom Use.*

**EGYPT—YESTERDAY (JWP)**

**i-j** 12 minutes **Color: \$4.10**  
 This film takes us on a fascinating and breath-taking tour of the many temples, tombs and art treasures of ancient Egypt. We see the temple carved from a mountain, dedicated by Rameses II to himself; The Great Sphinx and the struggle with the drifting sands; The Valley of the Kings where pharaohs found their final resting place; and many other interesting sights.

**EIGHT PARTS OF A BUSINESS LETTER (LFI)**

**j-h-c-a** 11 minutes **B&W: \$1.65**  
 Shows how mail is handled, why letters are standardized as to form in business, the difference between social and business forms, the heading, the introductory address, the salutation, the body, the complimentary close, the signature, the outside address, the return address, the proper folding and enclosing of business letters, two-page letters, window envelopes, basic display and arrangement.

**1820 WRIGHT ENGINE—CLEANING UP (CAA)**

**c** 20 minutes **B&W: \$2.15**  
 Covers the cleaning of parts during overhaul. Shows the disassembly of oil pump, carburetor adapter, priming lines, intake pipes, rocker arms, push-rod housing, valves, and cylinders; the cleaning, proper handling, and stowing of these parts during overhaul.

**1820 WRIGHT ENGINE: REMOVING CYLINDER AND NOSE SECTION (CAA)**

**h-c-a** 10 minutes **B&W: \$2.15**  
 Shows correct procedures for removing cylinder heads and the nose section of the 1820 Wright engine.

**EIGHTEENTH CENTURY ENGLAND: PEOPLE AND PLACES (C)**

**j-h** 11 minutes **B&W: \$2.25, Color: \$3.40**  
 Neoclassicism, rebellion and adventure are some aspects of this dynamic century shown through the paintings of Hogarth and Gainsborough, figurines, sculpture, architecture and scenes of navigation instruments and ships.

**EIGHTEENTH CENTURY LIFE IN WILLIAMSBURG, VIRGINIA (CWI)**

**i-j-h-c-a** 44 minutes **Color: \$10.15**  
 Shows the story of a day in eighteenth century Williamsburg. The film begins in the home of Christopher Kendall, a cabinet-maker. Throughout the day, the camera, narrator and music evoke the commonplace scenes and happenings of the life of the colonists.

**EL CUMPLEANOS DE PEPITA (IFB)**

**j-h-c** 16 minutes **Color: \$4.65**  
 Presents the people of Patzcuaro, Michoacan, of Mexico in their natural environment. Joins a fiesta to celebrate little Pepita's birthday and accompanies Pepita and her father on an excursion. Includes the birthday song "Las Mananitas" and the game of pinata. Elementary Spanish narration in present indicative throughout the film.

**EL PUEBLO GUATEMALTECO (BFS)**

**h-c** 11 minutes **B&W: \$2.35**  
 The geography and the people of Guatemala, showing the raising of bananas, activities in the market place, and some of the native handicrafts. Vocabulary within the range of second semester high school Spanish classes. Repetition of many of the words has been planned for its beneficial effect in the learning process.

**ELECTRIC CIRCUITS (JUNIOR SCIENCE SERIES) (McGH)**

**j-h** 11 minutes **B&W: \$2.15**  
 Explains the elements of an electrical circuit and defines resistance, current, and voltage. Shows why an electric toaster works. Explains how to make a resistance tester, how to light a match with electricity, and how fuses protect our homes.

**ELECTRIC EEL, THE (MIS)**

**i-j-h-c** 14 minutes **Color: \$3.20**  
 Laboratory experiments consider the electric eel in detail. Demonstrations show how it acquires food and defends itself with radar and an electrical discharge. The eel's internal physical and electrical structure is clearly illustrated. This film provides a good example of the close relationship of the physical and biological sciences.

**ELECTRICAL CIRCUIT FAULTS (UW)**

**h-c-a** 19 minutes **B&W: \$2.75**  
 Shows how to test for and locate common circuit faults and how to test for and locate grounds, resistance deterioration, and interference in circuits.

**ELECTRICAL WORK WIRING: INSTALLING CONDUIT (UW)**

**h-c-a** 22 minutes **B&W: \$3.15**  
 This is an instructional film which demonstrates the proper techniques used in shaping, bending, and installing electrical metallic conduit tubing.

**ELECTRICAL WORK WIRING: PREPARING OLD BUILDINGS FOR WIRING (UW)**

**h-c-a** 22 minutes **B&W: \$3.00**  
 Special attention is given to the problems of wiring old buildings. The foresight and planning necessary to laying out wiring paths, visualizing the obstructions, and preparation of the wiring paths for the wiring runs are stressed.

**ELECTRICAL WORK WIRING: WIRING OLD BUILDINGS WITH ARMORED CABLE (UW)**

**h-c-a** 22 minutes **B&W: \$3.00**  
 Shows how to install outlet boxes; cut and strip armor from cable; attach cable to outlet boxes; run armored cable; repair openings in walls; and join conductors at ceiling outlet.

**ELECTRICAL WORKER (ELECTRICIAN, THE) (VGF)**

**h-c** 11 minutes **B&W: \$2.15**  
 A vocational guidance film describing in comprehensive manner the training of the electrician in three major fields—power and lighting, communication, and transportation.

**ELECTRICITY (PRIMARY SCIENCE) (GA)**

**p** 9 minutes **B&W: \$2.15**  
 Illustrates where electricity comes from and its purpose. Turbines, generators, motors, closed and open circuits, and switches are explained by home-made experiments.

**ELECTRICITY ALL ABOUT US (C)**

**p-i** 11 minutes **Color: \$3.40**  
 By observation and experiment, Jean learns the characteristics of static electricity, and an electrical circuit, and the ways electricity is generated. Illustrated are the operation of the dry cell circuit, conductive materials and those used for insulation, and the importance of electricity in the home and in industry.

**ELECTRICITY: HOW IT IS GENERATED (C)**

**i-j** 11 minutes **B&W: \$2.35**  
 Through the use of a simple working model, this film demonstrates the basic principles of the generation of electricity, the difference between alternating and direct current, and the nature of the electrical circuit. These principles are seen at work in the commercial production of electricity by the steam turbine, water power and atomic power.



## **ELECTRICITY: HOW TO MAKE A CIRCUIT (USING THE DRY CELL) (EB)**

**p-i** 11 minutes **Color: \$3.80**  
Three primary grade children set up a simple telegraph between their house and a tree house in the yard. In order to make the telegraph work properly, the children must learn how electricity does its work and how to use dry cell batteries properly. Stresses the importance of safety in handling any kind of electricity and explains that dry cells are useful for experiments with electricity and circuits because of the relative safety with which they can be handled.

## **ELECTRICITY: PRINCIPLES OF SAFETY (C)**

**i-j** 11 minutes **B&W: \$2.35**  
The common hazards of electricity and their causes are pointed out in this film. We see how overloaded circuits and short circuits can create fire hazards, how the fuse and circuit breaker function as safety devices, and how bodily harm can be avoided by a proper knowledge of the behavior of electricity and electric circuits.

## **ELECTROCHEMISTRY (EB)**

**j-h-c** 11 minutes **B&W: \$2.15**  
Shows with demonstrations and animated drawings how chemical energy may be transformed into electrical energy and vice versa. Illustrates electrochemical principles by application in electroplating, electrorefining, electrolysis, and storage battery operation.

## **ELECTRODYNAMICS (EB)**

**j-h-c** 10 minutes **B&W: \$2.15**  
Direct photography demonstrates cause and effect of current electricity and electromagnetism while animation explains the fundamental principles. Among the concepts presented are: Galvani's discovery of current electricity; magnetic field about a current-carrying wire; magnetic field of a coil; electromagnets; Rowland's experiment; magnetic hypothesis, recalcence; induction by a magnet; A.C. generator; D.C. generator; induction by an electric current; and transformers.

## **ELECTROMAGNETS (YA)**

**i-j** 11 minutes **B&W: \$2.15**  
A sequel to the films *Magnets* and *Flow of Electricity*. Explains the theory of electromagnetism by building slowly from a simple bar magnet to a completed electromagnet made from simple home materials. Differentiates an electromagnet from permanent magnets.

## **ELECTROMAGNETS: HOW THEY WORK (EB)**

**i-j** 11 minutes **B&W: \$2.35**  
Through a progression of effective laboratory experiments, this film shows how an electromagnet is constructed and demonstrates several ways in which its strength can be increased. The student will learn that an electromagnet increases if more turns of wire are added to the coil, and that an iron core inserted in the coil strengthens the magnet still more.

## **ELECTRON, THE (UW)**

**j-h-c** 18 minutes **B&W: \$2.90**  
Explains the nature of electrons, electron flow in solid conductors, electromotive force, control of electron flow, types of electron flow, electron flow and magnetic fields, and induced electron flow.

## **ELECTRONS (EB)**

**h-c** 11 minutes **B&W: \$2.15**  
By means of various photographic techniques including animation, the hypothesis that electricity consists of unit elementary charges is supported by observation of phenomena associated with the conduction of electricity in liquids, gases, and vacuums. The conclusion drawn is that the fundamental unit of an electrical charge is the electron.

## **ELECTROSTATICS (EB)**

**h-c** 11 minutes **B&W: \$2.15**  
This film deals with static electricity as fundamental to an understanding of the modern theories of electricity. Explains how positive and negative electrification are produced, and by animated drawings illustrates the part played by insulators and conductors. Shows the movement of charges in the electroscope, the Compton electrometer, the static machine, and nature's display of static electricity, lightning.

## **ELEMENTARY BOOKBINDING (GAF)**

**i-j-h-c** 11 minutes **B&W: \$1.90**  
Demonstrates the steps to follow in binding a book. Includes illustrations of bindings of paper, vellum, buckram, linen, and leather.

## **ELEMENTARY OPTICS IN PHOTOGRAPHY (FUNDAMENTALS OF PHOTOGRAPHY SERIES) (UW)**

**j-h-c-a** 18 minutes **B&W: \$2.65**  
Demonstrates the principles of lighting effects; how light is reflected and refracted by the curvature and thickness of glass.

## **ELEMENTARY SCHOOL TEACHER EDUCATION SERIES: CURRICULUM BASED ON CHILD DEVELOPMENT (McGH)**

**c-a** 12 minutes **B&W: \$2.65**  
Describes various techniques and procedures which can be used effectively in adapting a curriculum to the needs of elementary school children. Points out that the developmental characteristics of preadolescents must be considered in all phases of the curriculum.

## **ELEMENTARY SCHOOL TEACHER EDUCATION SERIES: DEVELOPMENTAL CHARACTERISTICS OF PREADOLESCENTS (McGH)**

**c-a** 18 minutes **B&W: \$4.00**  
Discusses the patterns of development common to eight- and nine-year-old children of both sexes. Shows how these developmental characteristics of preadolescents should be considered in planning a teaching curriculum in order to meet their needs.

## **ELEMENTARY SCHOOL TEACHER EDUCATION SERIES: ELEMENTARY SCHOOL CHILDREN, PART I: EACH CHILD IS DIFFERENT (McGH)**

**c-a** 17 minutes **B&W: \$4.00**  
On the first day of school, the teacher is confronted with a group of children, each different in background, abilities, and needs. The film explains the importance of the teacher's knowledge and understanding of each child in order to adjust her teaching program to meet their needs.

## **ELEMENTARY SCHOOL TEACHER EDUCATION SERIES: ELEMENTARY SCHOOL CHILDREN, PART II: DISCOVERING INDIVIDUAL DIFFERENCES (McGH)**

**c-a** 25 minutes **B&W: \$5.00**  
Displays, in dramatic incidents, the methods by which a fifth-grade teacher becomes acquainted with the individual needs and characteristics of her pupils. Shows how these techniques might be used to supplement the teacher's own experience and resourcefulness.

## **ELEMENTARY SCHOOL TEACHER EDUCATION SERIES: MAKING LEARNING MORE MEANINGFUL (McGH)**

**c-a** 15 minutes **B&W: \$2.65**  
Shows how a third-grade teacher uses spontaneous interest of her pupils to develop their arithmetic skills. The class establishes a mint to make money, a bank to handle money, and a store to spend it. The children participate wholeheartedly and enjoy their training immensely while learning the basic arithmetic skills.

## **ELEMENTARY TACTICS OF LIFESAVING (CAA)**

**j-h-c-a** 20 minutes **B&W: \$2.15**  
This film shows how to gain control of the victim by surface and underwater approaches, breaks, and carries. Slow motion land drills and demonstrations in the water are presented.

## **ELEMENTARY TEACHER: BEGINNING STUDENT TEACHING (IU)**

**c-a** 9 minutes **B&W: \$2.15**  
Discusses the training and functions of the teacher in modern world. Janet, a student teacher, is seen helping children during their work periods, assisting in playground activities, and assuming responsibilities for group work on a specific unit of study.

## **ELEMENTARY TECHNIQUES OF FIELD HOCKEY (2 PARTS) (SILENT) (USTFH)**

**j-h-c** 30 minutes **Color: \$5.15**  
Shows elementary strokes and teaching methods in field hockey.

## **ELEMENTS, COMPOUNDS, MIXTURES (CHEMISTRY LAB. SERIES) (C)**

**h-c** 30 minutes **Color: \$8.75**  
Beginning with a discussion of elements, compounds, and mixtures, the physical and chemical properties of two elements,



iron and sulfur, are explained. The physical and chemical properties of a mixture of iron and sulfur, and a compound of iron and sulfur, ferrous sulfide, are discussed and demonstrated.

#### ELEMENTS OF DESIGN: COMPOSITION (YA)

j-h-c-a 9 minutes B&W: \$2.15  
Discusses composition as one of the basic elements of design, and its function in the art and industry of everyday life.

#### ELEMENTS OF DESIGN: LIGHT AND SHADE (YA)

j-h-c-a 11 minutes B&W: \$2.15  
Discusses light and shade as one of the basic elements of design, and its function in the art and industry of everyday life.

#### ELEMENTS OF DESIGN: LINE (YA)

j-h-c-a 9 minutes B&W: \$2.15  
Discusses line as one of the basic elements of design, and its function in the art and industry of everyday life. It shows the effects achieved by use of straight lines, curved lines, S-shaped lines, circles, and their various combinations.

#### ELEMENTS OF DESIGN: SHAPE (YA)

j-h-c-a 11 minutes B&W: \$2.15  
Discusses shape as one of the basic elements of design, and its function in the art and industry of everyday life. Shows the effects achieved by use of circles, squares, rectangles, triangles, and their various combinations.

#### ELEMENTS OF ELECTRICAL CIRCUITS (EB)

j-h 11 minutes B&W: \$2.15  
Animated drawings are used to show the nature of electric currents and circuits. Electron motions, conductors, insulators and the factors affecting resistance are shown.

#### ELEMENTS OF ELECTRICITY (UW)

h-c-a 15 minutes B&W: \$2.80  
Matter is analyzed from a molecule to atoms. Protons and electrons and their relationship to electricity are explained in a very elementary manner.

#### ELEPHANT BABY (EB)

p-i 11 minutes Color: \$3.80  
Tells the story of a baby elephant, from his first day in the forest, through the many weeks of training in a classroom made of bamboo poles, to the day he joins a working force of elephants in a teakwood lumber camp. The film gives a true and fascinating account of the daily activities of working elephants and the people who train them.

#### ELEPHANTS (EB)

p-i 11 minutes B&W: \$2.15  
Photographed on an animal training farm, this film depicts general characteristics of elephants. Attention is given to their physical features, food, methods of eating, drinking, and cleansing themselves. A full-grown elephant is put through a series of tests for a circus buyer who engages the trainer to condition two young elephants. These elephants are shown learning to stand on their front and hind legs, sit on a barrel, walk a plank, ring a bell, and obey other commands.

#### ELI WHITNEY (EB)

i-j-h 17 minutes B&W: \$4.15  
Life story of the inventor of the cotton gin. Relates incidents which call attention to his dreams and faith in his ideas. Portrays him developing the machine which boomed the economy of the South. Describes the experiments in designing tools and building machinery for the manufacture of muskets which became the technical basis for mass production.

#### ELI WHITNEY INVENTS THE COTTON GIN (YOU ARE THERE) (CBS)

j-h-c-a 27 minutes B&W: \$5.65  
One of the major steps in giving America its economic independence from Great Britain is taken in 1793 when Eli Whitney completes his first successful working model of the cotton gin.

#### ELIMINATION (UW)

j-h-c-a 12 minutes B&W: \$2.65  
A study of the human body's methods of elimination. The structure and functions of the four routes of elimination are described in detail—skin, kidneys, lungs, and colon.

#### ELIZA ON ICE (UW)

p-i 10 minutes B&W: \$1.55  
The bloodhounds are in full cry with Simon Legree driving them on. Eliza, clutching her child, pulls tricks on Legree. She is almost caught while Little Eva brings Mighty Mouse to the rescue. The dogs give up and Mighty Mouse is a hero at Uncle Tom's Cabin.

#### ELIZABETHAN ENGLAND (GA)

j-h-a 10 minutes Color: \$2.90  
Shows scenes and objects seen during the reign of Queen Elizabeth, 1558-1603.

#### ELMER GETS A WORKOUT (CAA)

h-c 9 minutes Color: \$2.15  
Shows some of the testing work which was done in connection with the development of the Beechcraft safety harness; how the harness works, and what it can do in the way of reducing human injuries and death caused by accidents. Of interest to any group which is concerned with the development of safety devices in connection with vehicles.

#### EMANCIPATION PROCLAMATION, THE (YOU ARE THERE) (CBS)

j-h-c-a 27 minutes B&W: \$5.65  
The moral and historical significances of a great event in American history are depicted in the soul-searching hours of President Lincoln, preceding his decision to free the slaves in 1863.

#### EMBRYOLOGY OF HUMAN BEHAVIOR (IFB)

c-a 28 minutes Color: \$7.40  
States that a child grows in accordance with certain universal laws while at the same time developing as an individual along a unique pattern. In sequences of growing children, the film shows the development of eye-hand coordination and traces the patterning processes of behavior.

#### EMERGENCE OF PERSONALITY (EB)

h-c-a 30 minutes B&W: \$6.15  
A combined forum version of the three films in the personality development series: BABY MEETS HIS PARENTS, HELPING THE CHILD TO FACE THE DON'TS, HELPING THE CHILD TO ACCEPT THE DO'S (for description see individual titles). Explains how the developing personality of the child is influenced by the manner in which his parents provide for his basic needs and prepare him for social living.

#### EMIL UND DIE DETEKTIVE: PART I, EMIL GOES TO BERLIN (IFB)

h-c-a 20 minutes B&W: \$4.15  
Adapted from the well-known book by Erich Kastner. This is the first part of this four-part film. Suitable for intermediate and advanced German classes.

#### EMIL UND DIE DETEKTIVE: PART II, EMIL MEETS THE GANG (IFB)

h-c-a 20 minutes B&W: \$4.15  
Adapted from the well-known book by Erich Kastner. This is the second part of this four-part film. Suitable for intermediate and advanced German classes.

#### EMIL UND DIE DETEKTIVE: PART III, DETECTIVES IN ACTION (IFB)

h-c-a 20 minutes B&W: \$4.15  
Adapted from the well-known book by Erich Kastner. This is the third part of this four-part film. Suitable for intermediate and advanced German classes.

#### EMIL UND DIE DETEKTIVE: PART IV, THIEF IS CAUGHT (IFB)

h-c-a 20 minutes B&W: \$4.15  
Adapted from the well-known book by Erich Kastner. This is the fourth part of this four-part film. Suitable for intermediate and advanced German classes.

#### EMOTIONAL HEALTH (McGH)

c 20 minutes B&W: \$4.15  
This film has three primary objectives: (1) to convince young people of college age that emotional upsets are common, (2) to show that if a disturbance of this kind is prolonged, the need for professional counsel and care is just as important and normal as with any physical illness, and (3) to explain in simplified language some of the basic techniques of psychiatric treatment and thereby allay some of the stigma attached to the necessity for this treatment.



**EMOTIONAL MATURITY (McGH)**

c-a 20 minutes B&amp;W: \$4.65

This film shows some of the consequences when an adolescent fails to channel his emotions into positive actions and feelings. Stresses that adults play an important part in helping adolescents develop emotional maturity.

**EMPIRE OF THE WEST (MWDSC)**

j-h-e-a 27 minutes B&amp;W: \$2.15

Informative and interesting film on the building of the Parker Dam. Lee Carrille, movie star, appears in the prologue along with many other screen stars.

**EN BASSE PROVENCE (FRENCH TEACHING SERIES #3) (IFB)**

h-c-a 14 minutes B&amp;W: \$3.65

Shows the coastal region of Provence from the mouth of the Rhone to the Italian border. French dialogue.

**EN BRETAGNE (FRENCH TEACHING SERIES #3) (IFB)**

h-e-a 15 minutes B&amp;W: \$2.85

Shows the province of Brittany, and its people at work and play. Scenes of family gathering of seaweed for fertilizer, harvesting, loading of trains for Paris, and fishing and fisheries. A picture of swimmers on one of the many beaches. Also a picture of the famous rocky coast. French dialogue.

**EN HAUTE PROVENCE (FRENCH TEACHING SERIES #3) (IFB)**

h-e-a 14 minutes B&amp;W: \$2.85

Shows typical Provence country along the Durance River which was the inspiration of poets like Mistral, musicians like Bizet, painters like Van Gogh. French dialogue.

**EN NORMANDIE (FRENCH TEACHING SERIES #3) (IFB)**

h-e-a 17 minutes B&amp;W: \$3.65

Shows the farm life of the province—dairying, hay making, and harvesting of apples. In contrast we see the industrial life—men working in steel mills, women in textile mills and several views of the two large ports, Rouen and Le Havre. French dialogue.

**ENAMELING ART (IFB)**

h-c-a 17 minutes Color: \$4.15

Depicts some early examples of Chinese and French enameling art work. Shows complete procedures for setting up a project, preparing the metal, applying powdered enamel and outlining designs. The film also shows how enameling art can be done at home with common household utensils.

**ENAMELING ON COPPER (LOB)**

j-h-e-a 10 minutes Color: \$3.40

Basic steps and techniques of enameling on copper are demonstrated. Good design and craftsmanship are stressed.

**ENCHANTED RIVER (C)**

p-i 9 minutes B&amp;W: \$2.15, Color: \$3.40

The story from Aesop's Fables of two woodcutters—one a cunning schemer, the other simple and honest—who meet a water nymph. The nymph, by performing magic, punishes the schemer and rewards the honest one.

**END AND THE BEGINNING, THE (LINCOLN SERIES) (McGH)**

h-c-a 27 minutes B&amp;W: \$5.65

Depicts Lincoln, after Lee's surrender, as he tells of his forebodings of death to his wife. Shows Lincoln's assassination and follows his funeral train to the recitation of Walt Whitman's "When Lilacs Last in the Dooryard Bloomed." Flashes back to the night when Abe was born.

**END OF THE DALTON GANG, THE (YOU ARE THERE) (CBS)**

j-h-c-a 27 minutes B&amp;W: \$5.85

October 5, 1892, the residents of Coffeyville, Kansas, raise up in arms against the attempt of the Dalton gang to rob the town's two banks. Within twenty minutes the townspeople prove that law and order is in Kansas to stay, and with their action they virtually bring to a close the reign of the outlaw gangs of the old West.

**END OF THE LINE (NFBC)**

general 30 minutes B&amp;W: \$5.25

The last 100 years of the steam locomotive is summarized against a background of folk music. The old roundhouse, the interior of the engineer's cab, and some of the experiences along the regular route of one train are included in a final tribute to the steam locomotive as the age of steam gives way to the age of the diesel.

**ENDOCRINE GLANDS (EB)**

j-h-c 10 minutes B&amp;W: \$2.15

Demonstrates the importance of various glands of internal secretion. By means of diagrammatic drawings and experiments on a goat, the film points out the effects of improper functioning of the glands and the causes and remedies of faulty glandular actions.

**ENDOCRINE GLANDS: HOW THEY AFFECT YOU (McGH)**

h-c-a 18 minutes B&amp;W: \$4.00

Animation shows the location of endocrine glands in the human body and explains how hormones secreted by these glands affect growth, metabolism, sexual development, and behavior. Discusses the use of animal hormones in the treatment of human diseases.

**ENERGY (JR. SCIENCE SERIES) (McGH)**

j 13 minutes B&amp;W: \$2.60

Explains the elements of energy, and shows how energy from the sun is changed to energy we can use: coal, food, etc. The forms of energy—mechanical, heat, chemical—are included. Shows how energy is changed from one form to another. The law of conservation of energy is explained.

**ENERGY (PRIMARY SCIENCE) (GA)**

i-j 10 minutes B&amp;W: \$2.15

A meeting of the model airplane club introduces various types of energy—a boy's muscle, a rubber band, a gasoline engine. Also air, steam, electricity, and water are shown as sources of energy.

**ENERGY AND ITS FORMS (C)**

i 11 minutes B&amp;W: \$2.35

This film explains the basic concept of energy and shows examples of its principal forms, including nuclear energy. We see how energy is changed from one form to another to do work. Particular attention is given to the way in which plants convert the energy of the sun to chemical energy to provide a basic source of food and fuel.

**ENERGY AND ITS TRANSFORMATION (EB)**

j-h-c 10 minutes B&amp;W: \$2.15

Potential, kinetic, and radiant energy as manifested in mechanical, electrical, chemical, and thermal forms are vividly illustrated and explained. The principle of conservation of energy and the concepts of "power" and "work" are demonstrated in experiments. The film closes with a review of present and future sources of energy.

**ENERGY DOES WORK (C)**

p-i 11 minutes B&amp;W: \$2.35

Billy is surprised to learn that when he is playing, he is doing work. Using examples which will appeal to the young child, this film explains that work is done whenever something is moved, that energy is what causes things to move, and that energy can be stored. The film emphasizes that proper food will supply energy for our bodies.

**ENERGY FROM THE SUN (EB)**

i-j-h 11 minutes B&amp;W: \$2.15

Presents photography of the sun's surface made at the observatory at Climax, Colorado. Shows how the sun produces radiant energy, how man adapts it to his needs, and points toward the direct use of solar energy in the near future.

**ENERGY IN OUR RIVERS (C)**

i-j 10 minutes B&amp;W: \$2.15

For centuries the quaint old waterwheel turned a grindstone to sharpen man's tools and powered a millstone to grind his grain. Today, massive dams and hydro-electric plants backed by huge reservoirs of water furnished water that turns miles of desert into rich farmland. The story between these two eras is unfolded here.



**ENGINE CHANGE: INSTALLATION (CAA)**

c 17 minutes B&W: \$2.15  
Shows the safety precautions to be observed when installing an engine; how to inspect engine mount, controls, and firewall; how to connect controls and attachments; how to ground test the engine; and how to prepare for check flight.

**ENGINE CHANGE: REMOVAL (CAA)**

c 17 minutes B&W: \$2.15  
Shows the safety precautions to be observed when removing an engine; how to disconnect controls and attachments; how to remove the engine; how to inspect the mount, firewall and controls.

**ENGINEERING (M)**

j-h 11 minutes B&W: \$2.15  
Discusses the training and work being done in civil, mechanical, electrical, chemical, mining and metallurgical engineering—the basic branches of the field.

**ENGINEERING, CAREER FOR TOMORROW (UI)**

j-h 23 minutes Color: N.C.  
A very stimulating film that will answer many of the questions of the high school student who is interested in engineering as a career. Shows various fields that are open in engineering. Explains what each engineer does and the importance that engineers achieve in the world today.

**ENGINEERING RESEARCH AT THE UNIVERSITY OF ILLINOIS (SPV)**

h-c-a 15 minutes B&W: \$2.80  
This is a vocational guidance film. It shows the research being done in heating and refrigeration, in testing cement and steel, and in producing better railway wheels and rails.

**ENGINES AND HOW THEY WORK (C)**

i-j 11 minutes B&W: \$2.35  
Operating principles of steam, gasoline, diesel, turbine, jet, and rocket engines are explained through animation, models, and live action.

**ENGLAND (THIS WORLD OF OURS SERIES) (IFI)**

i-j-h 9 minutes Color: \$2.50  
We briefly tour England and visit a few of the most important points of interest and see why England is so important as a manufacturing center.

**ENGLAND: BACKGROUND OF LITERATURE (C)**

j-h-c 10 minutes B&W: \$2.15, Color: \$3.50  
Works of Shakespeare, Dickens, Kipling, Conrad, and other immortal English writers are presented in this film against the settings that inspired them. The three main areas which their works reflect—London, the English countryside, and the sea—are portrayed in keeping with the mood and feeling of the writings themselves.

**ENGLAND OF ELIZABETH, THE (IFB)**

j-h-c-a 26 minutes Color: \$7.80  
Great events of Elizabeth's day—Drake's voyage around the world and the defeat of the Spanish Armada—are traced. Prominent personalities are presented through the portraits of masters. Elizabeth, herself, is portrayed in all her strength and determination. Growth of the maritime fleet, prominence in the arts, the pervasive personality and influence of Elizabeth, the songs and sonnets of Shakespeare—all help to convey the power, prestige, and spirit of the England of Elizabeth.

**ENGLISH AND DUTCH COLONIZATION IN THE NEW WORLD (C)**

i-j 11 minutes Color: \$3.40  
A reconstruction of the early settlements in an English agricultural colony in Virginia, a Pilgrim colony in Massachusetts, and a Dutch trading colony in New York illustrates some of the basic motivations and patterns of colonization.

**ENGLISH CHILDREN (EB)**

p-i-j 10 minutes B&W: \$2.15  
Portrays typical events in the daily life of an English city family. Particular emphasis is laid on activities of the children. Shows similarity between the activities of English children and those of American children.

**ENGLISH CRIMINAL JUSTICE (BIS)**

h-c-a 22 minutes B&W: \$3.15  
Explains criminal court procedures as found in England and shows the various types of courts and the work they do. Cases include a simple petty sessions' case to a murder trial at the Old Bailey.

**ENGLISH FARM FAMILY (McGH)**

j-h-c-a 13 minutes Color: \$5.00  
Shows modern farming in England as well as some of the agricultural problems. Depicts a model wheat and dairy farm in the Reading area.

**ENGLISH, FRENCH, AND DUTCH EXPLORATIONS (AGE OF DISCOVERY SERIES) (C)**

i-j-h 11 minutes Color: \$3.40  
The basic dreams which prompted the great explorers, such as Drake, Cabot, Verrazano, Frobenius, Hudson, Cartier, and Raleigh to attempt the hazardous ventures are explained in this film. It follows the routes taken by these men and presents some of the effects which resulted. These adventures followed in the footsteps of the Spanish and Portuguese explorers.

**ENGLISH HISTORY: ABSOLUTISM AND CIVIL WAR (C)**

j-h-c 11 minutes B&W: \$2.25  
Re-enacted are the conflicts during the reigns of James I and Charles I, the Civil War and Commonwealth period, and the restoration of the monarchy. The balance of power between the Crown and Parliament and steps in the evolution of the limited monarchy are clearly discussed.

**ENGLISH HISTORY: EARLIEST TIMES TO 1066 (C)**

j-h-c 11 minutes B&W: \$2.15  
Landmarks and historical materials from 1900 B.C. to 1066 A.D. are blended with brief re-enactments of important historical events to illustrate the fact that Anglo-Saxon England has been built by many different peoples and cultures.

**ENGLISH HISTORY: NINETEENTH CENTURY REFORMS (C)**

h-c 13 minutes B&W: \$2.90  
Evolution, rather than revolution, was characteristic of English political reform in the 19th century. Covering the period between the First Reform Bill of 1832 and the Third Reform Bill of 1884, the film shows the factors influencing the English political adjustment to the industrial revolution and makes clear the results of the major political and social legislations.

**ENGLISH HISTORY: NORMAN CONQUEST TO THE FIFTEENTH CENTURY (C)**

j-h-c 11 minutes B&W: \$2.15  
Out of the period from the Norman conquest to the decline of feudalism came many milestones, such as trial by jury and the Magna Charta, that mark the steady growth of individual rights and liberties.

**ENGLISH HISTORY: RESTORATION AND GLORIOUS REVOLUTION (C)**

j-h-c 11 minutes B&W: \$2.25, Color: \$3.60  
Reviews the period of English history from the Restoration of Charles II in 1660 to the deposition of James II and the coronation of William and Mary in 1689. In costumed re-enactments, the film shows that the restoration of three traditional institutions: the Anglican Church, the Monarchy, and the Parliament created the basis of modern English government—a constitutional monarchy.

**ENGLISH HISTORY: TUDOR PERIOD (C)**

j-h-c 11 minutes B&W: \$2.15  
Depicts the growth of the national state under Henry VII and Henry VIII, and the rise of England as a leading world power during the reign of Elizabeth. The film also discusses the English culture at the height of the Elizabethan period and its influence in America.

**ENGLISH INFLUENCES IN THE UNITED STATES (C)**

i-j-h 11 minutes B&W: \$2.15, Color: \$3.40  
The strongest influences that have molded our way of life are those that have come from England. This film traces some of the basic influences: the idea of democratic action, the body of law, freedom of speech and press, religious tolerance, language and literature, art forms and styles.



**ENGLISH INNS (IFB)**

j-h-c-a 8 minutes B&W: \$2.00  
Opening with a screen quotation from Samuel Johnson, the camera then takes the audience into a village where the inn is shown as a cultural meeting place, a "stage" for strolling players, and a link in transportation and communication. Provides an interesting record of the past.

**ENGLISH LANGUAGE, THE: STORY OF ITS DEVELOPMENT (C)**

j-h-c 11 minutes B&W: \$2.15, Color: \$3.40  
Here is the history of our native tongue from the time of the Celtic, Roman, Nordic, and Saxon tribes. The developments wrought by Church monks, William the Conqueror, Chaucer, Shakespeare, and the printing press show the constant growth and change in the English language.

**ENGLISH LITERATURE: CHAUCER AND THE MEDIEVAL PERIOD (C)**

j-h-c 13 minutes B&W: \$2.80, Color: \$4.50  
Using the *Canterbury Tales* to present the three classes of medieval society, we examine the major literary forms known to that society. Re-enactments of a Robin Hood ballad, *Piers Plowman*, *Sir Gawain and the Green Knight* and *Morte d'Arthur*, as well as a portion of *The Canterbury Tales*, enrich this study.

**ENGLISH LITERATURE: THE EIGHTEENTH CENTURY (C)**

j-h-c 13 minutes Color: \$4.15  
Literary discussions in an eighteenth-century London coffee house reveal trends in literature of the time. Some excerpts from writings of Addison and Steele, Pope, Swift, Johnson, Fielding, and Goldsmith illustrate the neoclassicism of the 1700's; others illustrate the shift toward sentiment and romanticism in the latter half of the century.

**ENGLISH LITERATURE: THE ELIZABETHAN PERIOD (C)**

j-h-c 13 minutes B&W: \$2.90, Color: \$4.15  
In a London theatre, we see people representing the various social classes of Elizabethan times. Their lives and environments show us how trends in expansion, trade, taste, and study affect the literature of the time. Excerpts from the writings of great Elizabethans and the elements which characterize them are presented.

**ENGLISH LITERATURE: THE ROMANTIC PERIOD (C)**

j-h-c 13 minutes B&W: \$2.80, Color: \$4.50  
Through the eyes of a young journalist of 1828, the audience participates in a period of literary, as well as political, revolution. Dramatized selections from Burns, Wordsworth, Coleridge, Blake, Byron, Shelley, Keats, and Scott reveal the individuality and independence of spirit of England's Romantic Writers.

**ENGLISH LITERATURE: THE SEVENTEENTH CENTURY (C)**

j-h-c 14 minutes B&W: \$2.90, Color: \$4.15  
Excerpts from the works of the seventeenth century writers are presented against the turbulent background of the Commonwealth and Restoration periods. Cavalier poets such as Jonson, Herrick, and Lovelace; Puritan writers such as Milton and Bunyan; and other literary figures of the century such as Donne, Marvell, Pepys, and Dryden are represented.

**ENGLISH LITERATURE: THE VICTORIAN PERIOD (C)**

j-h-c 15 minutes B&W: \$2.80, Color: \$4.50  
To the bookshop of James Bain, nineteenth century bookseller, come customers interested in the writings of Macaulay, Carlyle, Darwin, Huxley, Newman, Dickens, the Bronte Sisters, Hardy, Arnold, Ruskin, and Carroll. Through these prominent figures of literature, we are drawn into the world of conflicting ideas of the Victorian period.

**ENGLISH PAGEANTRY (BIS)**

h-c-a 10 minutes Color: \$3.40  
Presentation of the splendor of English ceremonial pageantry.

**EROSION (PRIMARY SCIENCE) (GA)**

p-i 10 minutes B&W: \$2.15  
Reveals the common causes of erosion—water, wind, ice, and roots. Shows how our land is constantly being changed.

**EROSION (UW)**

general 6 minutes B&W: \$1.65  
The story of man-made soil erosion and what it has done to our productive land. Distinguishes between natural and man-made erosions. Depicts sheet and gully erosion by water and sheet erosion by wind and explains that destructive erosion is not necessary if conservation farming methods are used.

**EROSION BY WIND AND WATER (EP)**

j-h-c 11 minutes B&W: \$1.80  
The part wind and water play in erosion is shown by observing the action of a flowing river, waterfalls, and by inspecting caverns. Shows many unusual rock formations caused by the action of wind and water.

**ESCAPE IN CANADA (UW)**

i-j-h-c-a 10 minutes B&W: \$1.70  
Shows vast Canadian wilderness areas which provide campers and sportsmen with an escape from modern civilization.

**ESCAPE TO FREEDOM (McGH)**

h-c-a 15 minutes B&W: \$3.85  
This is the tale of Ivo Berounsky, a Czech escapee, who risked his life to flee from behind the "Iron Curtain" to the West and was cared for in the U. S. Refugee Control Center in Vienna.

**ESKIMO ARTS AND CRAFTS (IFB)**

i-j-h-a 22 minutes Color: \$5.65  
Shows the kayaks, decorated skin garments, carved ivory and hand wrought implements which are products of traditional skill. Presents legends, drummings, dancing and singing which have been handed down for generations of Eskimos.

**ESKIMO CHILDREN (EB)**

p-i-j 11 minutes B&W: \$2.15  
Representative activities of an Eskimo family living on Nunivak Island, off the Alaskan coast, are portrayed. Deals principally with activities of the children in describing how Eskimos solve their basic problems of food, shelter, and clothing. Presents such phases of Eskimo life as handicraft work, household duties, hunting, drying fish, and telling stories.

**ESKIMO FAMILY (EB)**

i-j 17 minutes Color: \$6.25  
The film follows Ankudluk and his family on the annual trek from winter camp to spring hunting grounds, giving a fresh and at times intimate insight into the day-to-day life of an Eskimo family. We travel with them on the arduous journey by sled—see the family at meals and at work; share the thrills of the hunt for seal and fox; go with them to the trading post and to visit relatives who live in a town.

**ESKIMO IN LIFE AND LEGEND (THE LIVING STONE) (EB)**

j-h-c-a 23 minutes Color: \$7.45  
The storyteller in the film describes the spirit world of the Eskimo—the source of his art and legends and his personal view of life. *The Living Stone* is the story of a great hunter who carved the image of his wish from a piece of stone and saw the wish come true when he and his family moved to their summer hunting grounds.

**ESKIMO SEA HUNTERS—NORTHWESTERN ALASKA (UW)**

i-j 19 minutes B&W: \$4.15  
An Eskimo family in northern Alaska illustrate how people who live in regions where the weather is always cold exist chiefly by fishing, trapping and hunting.

**ESKIMO SUMMER (IFB)**

general 16 minutes Color: \$5.65  
Depicts the search for food and shows some of the useful and decorative articles made with skins and bones of bear and seal.

**ESKIMOS (WINTER IN WESTERN ALASKA) (EB)**

i-j 11 minutes Color: \$3.40  
Typical activities of Alaskan Eskimo life throughout a long winter. Shows their dependence upon fish as a food supply and illustrates winter methods of obtaining fish. Also shows their food, clothing, and household activities. Film ends with an authentic Eskimo dance.



**ESPAÑA—UNA FAMILIA DE VALENCIA (F)**

h-c 16 minutes Color: \$4.60

A Spanish language film about the life of a typical Spanish family of Valencia. This second-semester language film is designed to provide conversational skills in terms of motivated thought units, increase vocabulary, and promote a greater desire to learn the language by informing students about the country, its people and their way of life.

**ESSENTIAL PARTS AND TYPES OF PLANES (CAA)**

h-c-a 10 minutes B&amp;W: \$2.15

Explains why planes fly and how various types of planes are designed to perform different works. Flight models as well as actual army, navy, and commercial aircrafts are used for illustrations.

**ESSENTIALS OF FIRST AID (UW)**

j-h-c-a 30 minutes B&amp;W: \$3.65

Describes some of the medical facilities afloat, methods of transporting and protecting injured men, rescuing and reviving men overcome by smoke, contents of Navy first aid kits, and steps in the examination and treatment of the wounded.

**ETHER FOR ANESTHESIA (MCC)**

j-h-c-a 20 minutes B&amp;W: \$2.15

Ether today is rigidly tested for stability and strength, in marked contrast to the days when ether was first manufactured for use in surgical operations. Shows the history of distillation of ether as well as the manufacturing process.

**EUROPE AT YOUR WINDOW (FON)**

j-h-c-a 13 minutes B&amp;W: \$3.00

An American couple visits Europe. They begin their trip in Sweden and travel by bus through Denmark, Germany, Holland and Belgium to Paris.

**EUROPE LOOKS AHEAD (AFF)**

h-c-a 18 minutes B&amp;W: \$2.15

Describes the progress that Western Europe made toward economic recovery with the help of the Marshall plan, and the challenge that lies ahead: increased productivity, greater economic cooperation, and integration.

**EUROPEAN CORN BORER (USDA)**

h-c 11 minutes Color: \$2.15

An insect pest, the European corn borer, first made its appearance in this country in 1917. With the aid of the close-up camera, we see in interesting detail the life-cycle of the corn borer—from the time the moth lays its eggs, through the period when the eggs hatch to emit the borers, which must feed on corn leaves and stalks to survive. The film discusses control measures, tells the farmer how to recognize and where to find the insect eggs, and the best time to use insecticides.

**EVERY MINUTE COUNTS (UW)**

c-a 10 minutes B&amp;W: \$1.65

A supervisor becomes worried because of absenteeism and tardiness in his department. His superintendent points out many of the causes, and the supervisor takes steps to remedy them.

**EVERYDAY COURTESY (C)**

i-j 10 minutes B&amp;W: \$2.15

Through this film students learn that everyday courtesy is more than mere custom in our society. They learn that in the final analysis the customary formalities of courtesy consist of very simple things—the act of being friendly, the thought of other people, and the display of respect that makes each individual's life pleasurable and successful.

**EVERYMAN'S EMPIRE (USDA)**

general 20 minutes Color: \$2.15

Today 152 national forests are owned by the people in the United States. These forests contain almost one-third of the nation's remaining timber. Here, also, are vast storehouses of water from which many towns and cities receive their entire water supply; here are grasslands that provide range for the cattle and sheep of the livestock grower. Here, too, are food and cover for wild animals and birds, streams for fish, and recreation areas for generations of Americans.

**EVOLUTION OF THE MOTION PICTURE (UW)**

j-h-c-a 20 minutes B&amp;W: \$4.00

Traces the development of motion pictures from the Egyptian attempts in 1600 B.C. to improved Hollywood sound films.

The contributions of da Vinci, Kircher, Muybridge, Roget, Sellers, Edison and Eastman are seen. Includes a rapid kaleidoscopic viewing of films through the years.

**EXACT SMALL THINGS, THE (THE QUILL SERIES) (NET)**

h-c-a 27 minutes B&amp;W: \$5.65

Professor Edwin Peterson stresses the importance of knowing the exact names of the parts of life so that they can be introduced to others. He points out that generalizations should be made convincing by supporting evidence, that is with "exact, small things." He illustrates by making specific in meaning such general words and phrases as *wildflowers*, *birds*, *making noises*, and *some*, considering the connections between the way things are seen and felt and the way they are expressed in writing.

**EXCHANGING GREETINGS AND INTRODUCTIONS (McGH)**

i-j 11 minutes B&amp;W: \$2.45

The importance of knowing and using proper forms of greetings and introductions is dramatized in this film. Examples of wrong impressions through awkwardness in introductions and greetings are illustrated and the proper forms demonstrated.

**EXERCISE AND HEALTH (C)**

j-h 10 minutes B&amp;W: \$2.15

There is much more to exercising than just building muscles. Ernie was in a run-down condition and sick too often. Jean slouched through life, was awkward and too shy. Hal was "all work and no play," and much too irritable. Yet exercise and participation in athletics helped each of them to overcome a particular difficulty. The film shows that the right kind of exercises will go a long way toward making them healthier, happier, and more apt to succeed in any undertaking.

**EXERCISE FOR HAPPY LIVING (EB)**

i 11 minutes B&amp;W: \$2.15

Shows a boy's keen disappointment at being only a substitute on the neighborhood ball team. Portrays his negative attitude in his school gym class and in performing simple tasks around the house. Reveals, by means of a dream sequence, the healthy effects of exercise upon muscles and thus stimulates in the boy an eagerness to acquire good habits in exercise.

**EXPANDING WORLD RELATIONSHIPS (UW)**

j-h-c-a 9 minutes Color: \$2.40

The development of economic and social interdependence from Jefferson's time to the present is portrayed through animated drawings. Then, in live action and animation the film emphasizes how the complexities of modern industrial society have enlarged the interdependence of men and nations and how invention has simplified various methods of communication. The inference drawn is that isolation no longer exists; consequently, nations must work out ways of settling their differences peacefully.

**EXPECTANT FATHER (McGH)**

c-a 17 minutes B&amp;W: \$3.85

At the Visiting Nurses Service of New York City, more than two hundred expectant fathers a year receive basic training in the fundamentals of baby care under expert guidance. On graduation day, they are fully prepared for the blessed event with assurance and confidence.

**EXPERIMENTAL PSYCHOLOGY OF VISION (SILENT) (IFB)**

c-a 16 minutes B&amp;W: \$1.65

Illustrates the chief phenomena and techniques of research in visual perception. The topics covered are: phi phenomenon, optical illusions, color constancy, eye movements in reading and perception span, and ending with an actual experiment in digit span.

**EXPERIMENTAL STUDIES IN SOCIAL CLIMATES OF GROUPS (ISU)**

c-a 30 minutes B&amp;W: \$4.90

Studies the effect of social climates upon the behavior of groups of boys belonging to different social clubs run under the principles of democracy, autocracy, and laissez-faire. The results of what happened when the groups were changed from one type to another are studied. Graphs and charts give statistics about group actions and reactions.



**EXPLAINING MATTER: ATOMS AND MOLECULES (EB)**

i 13 minutes Color: \$4.70  
 What is the world made of? How many different materials are there? The answer to these questions, of course, lies in our concept of atoms. The film explains that we know more than 100 atoms and shows us the common symbol for some of them. Describes how atoms combine to form molecules, the building blocks of matter. We also are given an explanation of elements, compounds, and mixtures.

**EXPLAINING MATTER: CHEMICAL CHANGE (EB)**

i-j 11 minutes Color: \$3.80  
 Such ordinary things as fire, growing plants, and growing bodies depend on complex chemical changes. The film makes effective use of animation, laboratory demonstrations, and molecular models to visualize difficult concepts—to show how the atoms from the molecules of two or more materials recombine with each other to form molecules of entirely different materials; to show how chemical changes can produce energy in the human body through the process of digestion, and make food in green plants through the process of photosynthesis.

**EXPLAINING MATTER: MOLECULES IN MOTION (EB)**

i-j 11 minutes Color: \$3.80  
 This film explains the concept of physical change in terms of molecular action, and defines the three states of matter: solid, liquid, and gas. With a simple experiment, it shows how the idea of blocks of matter can explain pressure.

**EXPLORATIONS OF PRINCE HENRY (McGH)**

i-j-h 13 minutes B&W: \$2.90  
 Presents a comprehensive view of the life and achievements of Prince Henry the Navigator, emphasizing the significance of his contributions to the Golden Age of Discovery and the rise of the Portuguese Empire.

**EXPLORING A HARBOR (F)**

p-i-j 11 minutes Color: \$3.40  
 This film presents a boy's real adventure at a harbor, including sights and activities one would see in a normal day. Harbor bridges, signals, lighthouses, passenger liners, freight boats, oil tankers, and many other types of boats are seen on the tour.

**EXPLORING BY SATELLITE (DEL)**

j-h-c-a 28 minutes Color: \$8.25  
 This film explains the reasons for the earth satellite program, the physical laws involved, the scientific methods by which it was accomplished, and the data obtained by satellites. Man's technical and mathematical skills enable him to cope with exactive conditions that make possible the successful launching of an artificial satellite. Also discusses the role satellites will play in our future—circling the earth as aids to navigation, improving communications around the globe, giving astronomers a view of the universe, and serving as passenger and cargo bases for expeditions that will explore other planets.

**EXPLORING ELECTROMAGNETIC ENERGY (FA)**

i-j 15 minutes Color: \$4.80  
 This film is an introduction to electromagnetic energy, and some of the ways in which we use it every day. The film explains why radio waves, infra-red, visible light, ultra-violet, X-rays and gamma rays are all members of the same family.

**EXPLORING IN PAINT (BFS)**

j-h-c 11 minutes Color: \$3.60  
 This is an introduction to non-objective painting expressing the freedom of approach and experimental spirit basic to the realization of this art form. The artist begins with a flat surface and a wide assortment of pigments, materials, and tools; then builds layer upon layer, calling to service thick and thin brushes, steel wool, tin foil, medicine droppers, and sometimes pouring and mixing paints directly on the canvas. Although planning in the first stages is evident, flexibility is the key unlocking the artist's creative resources.

**EXPLORING SPACE (TFC)**

i-j-h 9 minutes B&W: \$1.65  
 Takes the audience on a trip through space with close-ups of the Moon, Venus, Sun, Mars, and the Milky Way and pictures an eclipse of the sun showing Bailey's Beads and the corona. Photographed in the Hayden Planetarium of the American Museum of Natural History. *Restricted to Classroom Use.*

**EXPLORING THE NIGHT SKY (EB)**

i-j 11 minutes B&W: \$2.15  
 Discusses the stars, sun, planets and meteors and identifies constellations through animated drawings. Demonstrates how the telescope and observatory dome operate. Shows how the stars provide the basis for time-telling and calendar-making.

**EXPLORING THE OCEAN (CW)**

i-j 10 minutes Color: \$3.60  
 The ocean's floor is shown with its varied slopes and depths by animation and live photography. Explains how man explores it by sounding and photography, and the plants and animals which live in the sea. Explains how the ocean acts as a storehouse of minerals and how these are deposited through the water cycle.

**EXPLORING THE UNIVERSE (EB)**

i-j-h 11 minutes B&W: \$2.15  
 Demonstrates the principles and construction of telescopes. Shows by animation the binaries, trinarys, the variables and why they vary, galaxies and galactic rotation. Shows also what will happen to the Big Dipper in 100,000 years and the theory of the expanding universe.

**EXPLORING WITH X-RAYS (GE)**

j-h-a 36 minutes B&W: \$2.15  
 Made for the information and education of the general public, this film is designed to offer to the layman an idea of the scope of the use of X-rays and to inform him in an entertaining manner of its potentialities. The film is not regarded as a demonstration of X-ray procedures in their entirety nor as depicting in detail complete modern radiographic technique. Produced with the cooperation and approval of the American College of Radiology.

**EXPLORING YOUR GROWTH (CW)**

p-i 10 minutes Color: \$3.60  
 Using simple animation and photomicrography, the film explores the wonderful process that makes us grow. It explains how food is digested in the mouth, stomach and intestine; how the digested food is carried by the blood from the intestine to the cells of the body; how food allows cells to grow and divide, causing us to grow.

**EXPOSURE (IU)**

h-c-a 11 minutes Color: \$3.40  
 Defines proper exposure in terms of film latitude and the brightness range of the subject matter. Light intensity and time are used for definition purposes. By using a table-top set, the film shows determination of exposure using a photo-electric exposure meter and the setting of the diaphragm and shutter to control the light intensity and the time which it is allowed to expose the film.

**EXPOSURE METER-THEORY AND USE (IU)**

h-c 10 minutes Color: \$3.40  
 Answers the question, "what is an exposure meter and how can the meter be used intelligently in various settings for copy work, still photography, depth of field, and lighting ratios." Many common photographic problems are discussed.

**EXPRESSIONISM (BFS)**

h-c-a 6 minutes Color: \$2.80  
 The film is a new addition to the Understanding Modern Art series, and it explains the powerful designs and dynamic movements which characterize expressionistic painting.

**EXTENDING OUR SENSES (IFB)**

j-h 15 minutes Color: \$5.10  
 Demonstrates the operation of the microscope, the electron microscope, the X-ray machine, time-lapse photography, the giant 200-inch Hale telescope at Mount Palomar, the huge twin radio telescopes at Cal Tech, and the scientific use of television in industry and in space. Modern instruments that extend our senses help our scientists make many of their most important discoveries to increase our knowledge.

**EYE OF THE BEHOLDER, THE (SR)**

h-c-a 25 minutes B&W: \$5.40  
 This is an outstanding film on perception, dramatizing the fact that "no two people see the same thing in the same way." The importance of caution in judging other people, the importance of two-way communications, the value of empathy, and the rigidity of snap judgments are brought out.



**EYES AND THEIR CARE (EB)**

j-h-c 11 minutes B&W: \$2.15  
The physiology and hygiene of the eye are treated in detail. Animated drawings clarify structure and function. The film explains eye movements, learning to judge distance, light receptors, field of vision, night blindness, double vision, near and far-sightedness, infections, and protection of the eyes.

**EYES BRIGHT (AVF)**

p 10 minutes Color: \$3.40  
From school nurse, classroom teacher, discussion of experiences at home and at play, and books from the school library, four primary children and their classmates learn about the care and protection of their eyes.

**EYES FOR TOMORROW (NSPB)**

j-h-c-a 20 minutes B&W: \$3.15  
Stresses relationship of good general health to good eye health. Tells the importance of prenatal care as a means of reducing incidence of blindness due to venereal diseases; care of babies' eyes at birth; use of special educational facilities for partially seeing children; the necessity for regular eye examinations; importance of good lighting and safe working practices in schools and industry. Outlines symptoms, development, detection and treatment of glaucoma.

**EYES OF FLIGHT (CAA)**

h-c 31 minutes Color: \$2.15  
A training film on the handling and maintenance of acrylic plastic (or plexiglas) on military aircraft. Covers handling, sawing, drilling, buffing, polishing, cleaning, and patching of material.

**EYES: THEIR STRUCTURE AND CARE (C)**

j-h 11 minutes B&W: \$2.25, Color: \$3.40  
Ed's headaches, failing grades, and poor distance judgment lead to a discussion of common symptoms of eye trouble. Animation demonstrates the functioning of the eye and its structure. Common defects and their corrections are shown, and the professions of the ophthalmologist, optometrist, and optician are explained.

**EYEWITNESS REPORT ON RUSSIAN AGRICULTURE (MPC)**

h-c-a 23 minutes Color: \$2.15  
Shows Russia—her cities, her people, and her markets—but concentrates mainly on her agriculture. The editor of the magazine, *Successful Farming*, and a group of American farmers recently spent 18 days in Russia studying Soviet agriculture. Shows life and times of the Russian farmer with Russo-American comparisons.

**F.B.I., THE (McGH)**

j-h-c 17 minutes B&W: \$3.40  
The 24-hour-a-day vigilance of this vast organization, the techniques and crime detection methods at the F.B.I. laboratories, and the rigorous training an agent must undergo are all documented in this release. The authentic case of August Baumeier, reconstructed from F.B.I. files, reveals the striking effectiveness of counterespionage by the F.B.I.

**F.B.I. (20TH CENTURY) (McGH-CBS)**

j-h-c-a 27 minutes B&W: \$5.35  
Narrated by Walter Cronkite and J. Edgar Hoover, this film covers the development of the Federal Bureau of Investigation as a fact-gathering and fact-reporting unit of the Department of Justice. Training and laboratory methods are shown, and stories of historic crimes solved by the F.B.I. are included.

**F.D.R.-THIRD TERM TO PEARL HARBOR (20TH CENTURY) (McGH-CBS)**

j-h-c-a 27 minutes B&W: \$5.35  
Covers the period from June, 1940, to December 7, 1941, and includes the presidential campaign of 1940 between Roosevelt and Willkie, the famous "fireside chat," and events leading up to Pearl Harbor both in America and Pearl Harbor. The use of film of the actual events and the recorded voices of the participants makes this an exciting coverage of a vital period in American history.

**FABRICATING METAL AIRCRAFT (CAA)**

h-c-a 14 minutes B&W: \$2.15  
Shows methods by which sheet metal may be cut and formed; methods by which sheet metal parts may be assembled; and mating major assemblies.

**FACE IN THE MIRROR (JH)**

c-a 25 minutes B&W: \$4.15  
This film shows the salesman as the customer sees him—starring James Dunn.

**FACE OF LINCOLN (USC)**

j-h-c-a 22 minutes B&W: \$3.80  
Professor Merrell Gage, head of the Department of Sculpture at the University of Southern California, describes the life and career of Abraham Lincoln as he sculpts from clay a lifelike bust of the 16th president, making physical changes in the subject's face, hair, beard, and expression, to correspond with events in Lincoln's life.

**FACE OF THE EARTH (EB)**

i-j-h-a 12 minutes Color: \$3.40  
Reveals the "wearing down" forces on earth in the action of glaciers, frost, landslides, and running water. In contrast are the "building up" forces demonstrated by volcanic lava and buried sea shell fossils in the rock layers. Shows the Painted Desert, the Petrified Forest, the Grand Canyon, Zion and Bryce Canyons as illustrations of spectacular geologic formations resulting from the unceasing war between the forces of nature.

**FACE OF THE HIGH ARCTIC, THE (EB)**

j-h-c 14 minutes Color: \$4.70  
This is a study of the High Arctic Region which reveals in detail the crushing impact of glaciers, the spectacular beauty of icebergs, jagged mountains of rock split by frost, and the erosive results of an inch-by-inch flow of water for centuries.

**FACE PLANING UNEVEN SURFACES (UW)**

h-a 11 minutes B&W: \$1.65  
Shows how to determine the condition of boards, stock with a slight cross grain, correct defects on the jointer, make and use a feather board, and face thin stock, using a push block.

**FACING, TURNING, BORING, GROOVING, CHAMFERING ON A VERTICAL TURRET LATHE USING TWO HEADS (USOE)**

h-c 27 minutes B&W: \$3.90  
Shows how to set up a casting on a vertical turret lathe as well as how to set cutting tools in the sidehead turret for facing and turning, and in the main head for boring, grooving, and chamfering.

**FACTORIES, MINE AND WATERWAYS—INDUSTRIAL WESTERN EUROPE (UW)**

j-h-c-a 20 minutes B&W: \$4.15  
Heavy industry tends to develop in areas which have easy access to sources of raw materials, labor supply and markets. Alsace-Lorraine is one of the most highly industrialized regions of the world. Abundant coal deposits and nearby iron mines are linked by railroads and waterways with manufacturing cities and seaports. This film accompanies the captain of a coal barge on his trip from Strasbourg to Pont-a-Mousson, on the Rhine-Marne Canal. The film shows clearly why this part of Western Europe has become the industrial heart of the continent.

**FACTORY; HOW A PRODUCT IS MADE, THE (FA)**

i-j 14 minutes Color: \$4.70  
The cooperative effort in factory production is emphasized and the vast amount of planning, preparation, and collective effort required in making even the simplest product is illustrated.

**FACTS ABOUT FILMS (IFB)**

j-h-c-a 10 minutes B&W: \$2.15, Color: \$4.20  
A film for in-service training of teachers and projectionists. Shows the harmful effects of improper usage of equipments on 16 mm films. Points out the physical qualities of 16 mm film which make it susceptible to damage, and demonstrates the ways to protect the film.

**FACTS ABOUT PROJECTION (IFB)**

h-c-a 15 minutes Color: \$5.20  
Explains the necessary preparation in advance of showing 16 mm films. Shows attention given to the kind and source of power, light control and ventilation, position of screen, setting up of the projector and speaker, check on dust in aperture, volume and tone control, and other details. Operational routines for starting and ending the showing are included.



**FACTS AND FIGURES (FILM #3) (USWA)**

c-a 14 minutes B&amp;W: \$2.15

This film is a United Steelworkers of America 15-minute television program on various aspects of the union's politics and attitudes toward public affairs.

**FAIR CHANCE (NTB)**

e-a 14½ minutes Color: \$3.50

A dramatization points out the need for Planned Parenthood and the help available at Planned Parenthood clinics. A new father tells the story by utilizing a flashback of his own childhood, the problems faced by his family because of too many children, and the help found through Planned Parenthood.

**FAIR: COMMUNITY WORK AND FUN (F)**

i-j 12 minutes Color: \$3.60

A fair reflects activities and products of the local district. It is a community undertaking and many people cooperate and work hard to make it a success. It is planned to interest all kinds of people, to entertain them and to encourage them in worthwhile activities and up-to-date methods. Actual photography was done at seven different fairs.

**FAIR EXCHANGE (MLPFB)**

e-a 20 minutes B&amp;W: \$2.15

The story of a man, his wife, and their difference of opinion about what to do with some extra money—a difference that is reconciled when they begin to understand something about what stocks are and how to invest in them. Many misunderstandings about the “why” and “how” of investing are cleared up in this film.

**FAIRNESS FOR BEGINNERS (C)**

p 10 minutes B&amp;W: \$2.25

In Tommy's room, the “Farmer in the Dell” is not only a game, but starts a lesson in fairness. Whether the children are working in their room, playing outside, or taking turns at the drinking fountain, they all find ways of being fair. By sharing, taking turns, choosing fairly, and respecting rights of others, they make their class a happy one.

**FAITH, HOPE AND HOGAN (CH)**

j-h-e-a 28 minutes B&amp;W: \$3.75

A highly inspirational film, based on the come-back of champion golfer, Ben Hogan. The film shows that personal responsibility is an important factor in overcoming handicaps.

**FALL OF FORT SUMTER, THE (YOU ARE THERE) (CBS)**

j-h-e-a 27 minutes B&amp;W: \$5.65

Shows events leading to the outbreak of the Civil War. President Lincoln must decide whether to send an expedition to supply Fort Sumter, in the face of Southern threats to fire upon such an expedition. Finally, on April 12, 1861, a Confederate battery fires the first shot of the Civil War.

**FALLEN EAGLE (AS)**

j-h-e-a 20 minutes Color: \$2.15

Three times in history, United States armies have been annihilated by their enemies. Each time those enemies were the Sioux Indians. The film gives an account of the Sioux heritage and culture, and a view of their present life in South Dakota.

**FALLING BODIES (JUNIOR SCIENCE SERIES) (McGH)**

j-h 11 minutes B&amp;W: \$2.15

Explains what makes an object move and what acceleration is. Demonstrates simple experiments proving that a heavy object does not fall faster than a light one. Shows an amazing toy children can make to show that an object which is shot out with full force hits the ground in the same time as one that is merely dropped.

**FALLOUT AND AGRICULTURE (USDA)**

h-e-a 23 minutes Color: \$2.15

Prepared to provide information on radioactive fallout and its movement through the atmosphere, resulting in the exposure of man and his animals to radiation and the contamination of agricultural commodities. Discusses and illustrates the radioactive elements of concern to agriculture and means of protecting against radiation and minimizing the contamination of soil, crops, and other foods.

**FALLOUT—WHEN AND HOW TO PROTECT YOURSELF AGAINST IT (OCDM)**

general 15 minutes B&amp;W: \$2.15, Color: \$2.15

Using techniques which will interest audiences at all levels, this animated filmograph illustrates in simple terms the cause and effects of radioactive fallout. It describes preparations which should be made now to safeguard lives and to protect food and water supplies.

**FAMILY, THE (UW)**

j-h-e-a 17 minutes B&amp;W: \$2.75

Shows how the daily problems confronting a family are solved when each member understands the needs and desires of others, and the family faces its problems together.

**FAMILY AFFAIR, A (MHFB)**

c-a 31 minutes B&amp;W: \$5.65

Shows the work of professional family counseling in preventing a broken marriage. In the dramatic story depicted, an adolescent boy's defiance of his parents brings to surface the father's long hidden resentment of the mother's domination.

**FAMILY—AN APPROACH TO PEACE, THE (McGH)**

h-e-a 19 minutes B&amp;W: \$3.40

Suggests that recognizing the similarities between people rather than their differences might improve the future of world peace. Shows typical family life in various countries, and contrasts the popular conception of foreign lands with life as it really is around the globe.

**FAMILY CIRCLES (McGH)**

c-a 26 minutes B&amp;W: \$4.90

Demonstrates how wholehearted cooperation between school and home with an equal division of responsibility can provide the kind of emotional and physical climate in which a child may grow to successful maturity.

**FAMILY LIFE (C)**

j-h-c 11 minutes B&amp;W: \$2.15, Color: \$3.40

We see how a family, once disorganized and hard pressed, begins to enjoy life through proper home management of schedules, responsibilities, privileges and finances. The film emphasizes that happiness is acquired through a well-managed home and outlines a program for achieving it.

**FAMILY LIFE: CHANCE DATE (TFC)**

h-e 8 minutes B&amp;W: \$2.15

Deals with a subject much discussed—the pick up. Provides an opportunity for mature class discussion of casual meetings with strangers—how they might or might not be good. (*Restricted to Classroom Use*)

**FAMILY LIFE: DAD'S WISH (TFC)**

general 6 minutes B&amp;W: \$2.15

Deals with a family situation in which the mother explains to her daughter why they cannot have everything they want in life. The father also demonstrates that he is grateful for what he has. (*Restricted to Classroom Use*).

**FAMILY LIFE: EARNING AND GIVING (TFC)**

general 5 minutes B&amp;W: \$2.15

A tender story of how one family shares with each other. Pictures a little girl performing family chores, saving her allowance, planning and purchasing gifts for her parents. (*Restricted to Classroom Use*)

**FAMILY LIFE: GANG RAIDS THE ORCHARD (TFC)**

general 7 minutes B&amp;W: \$2.15

An excerpt from the feature film “The Human Comedy.” Deals with gang activities. A group of youngsters raid an orchard and net one small unripe apricot. (*Restricted to Classroom Use*)

**FAMILY LIFE: GIFT FROM DAD (TFC)**

general 5 minutes B&amp;W: \$2.15

This is adapted from the feature film “Our Vines Have Tender Grapes.” A little girl accidentally kills a squirrel. Her father gives her the responsibility for a calf to lessen her grief and to provide opportunities for kindness to animals. (*Restricted to Classroom Use*)



**FAMILY LIFE: HOMER AND THE KID BROTHER (TFC)**

general 8 minutes B&W: \$2.15  
Shows excellent relationship between Homer and his younger brother. Homer answers all of his little brother's questions, helps him, and gives him a sense of companionship and security. (*Restricted to Classroom Use*)

**FAMILY LIFE: HOMER STARTS TO WORK (TFC)**

general 10 minutes B&W: \$2.15  
This film is adapted from the feature film "The Human Comedy." Homer gets a job as a messenger boy in a telegraph office. He sees the troubles and joys people have through his delivering telegrams to them. He decides that understanding people is part of growing up. (*Restricted to Classroom Use*)

**FAMILY LIFE: OF SKATES AND ELEPHANTS (TFC)**

general 15 minutes B&W: \$2.65  
Tells the story of a little girl whose selfishness results in discipline by her father who later takes her to the circus. The discipline, followed by her father's forgiveness, gives a new outlook to the girl. (*Restricted to Classroom Use*)

**FAMILY OF AMSTERDAM, A (F)**

i-j-h 16 minutes Color: \$4.60  
Shows the unusual and beautiful city of Amsterdam. We visit a family in a St. Nicolaas suburban apartment home. We go along on their family holiday and their country excursion. The family takes a boat trip through the canals.

**FAMILY OF FREE CHINA (BFS)**

i-j-h-a 22 minutes Color: \$7.05  
A study of Taiwan—its people, their homes and farms, educational system, cities and industries—the contrast of ancient and modern ways is depicted in this film.

**FAMILY OF INDIA (YA)**

i-j-h 14 minutes B&W: \$3.15, Color: \$5.15  
Shows the life of an ordinary middle class family in India. The head of the family is the caretaker of a large estate, and he tells about his family's work, its shopping, its recreation, and its education.

**FAMILY OF LISBON, PORTUGAL (F)**

i-j-h 16 minutes Color: \$4.60  
Shows a family of Lisbon and their daily activities. The fish harbor is a beehive of activity. We visit the home of a family, and also see the quaint street market. Lisbon, built on seven hills overlooking the bay, is fully described and shown.

**FAMILY TEAMWORK (F)**

general 16 minutes Color: \$4.65  
Shows how children and parents can help each other in the home and in their outside activities. The children may develop habits of good judgment, self expression and work. Throughout the film, there is a feeling of spontaneity and fun.

**FAMOUS RIVER HOMES OF COLONIAL VIRGINIA (VDE)**

h-c-a 33 minutes Color: \$6.15  
The finest homes in Virginia were built along the great tidal rivers which were the main highways in the early colonial period. Both exterior and interior features of twenty-eight of the earliest mansions are shown.

**FAR WESTERN STATES, THE (EB)**

i-j-h 11 minutes B&W: \$2.15, Color: \$3.40  
Describes the economy of the states of Washington, Oregon, California, and Nevada, including a brief historical resume of progress made in the use of resources in this region. Sectional contrasts, with respect to climate, topography, people and population densities, are shown. Representative mining, lumbering and agricultural activities are portrayed.

**FAREWELL TO CHILDHOOD (IFB)**

h-c-a 22 minutes B&W: \$3.85  
An adolescent girl's various moods and apparent inconsistencies bewilder and confuse her parents. A better relationship results when the parents begin to understand her point of view and the girl realizes that parents, too, need to be understood.

**FARM ANIMALS (EB)**

p-i 11 minutes B&W: \$2.15  
The care and activities of farm animals. Treats such subjects as feeding and milking cows, feeding horses, feeding pigs,

feeding goats, and sheep grazing. Also shown are newborn calves, cows drinking and grazing in pasture, and sheep shearing.

**FARM BABIES AND THEIR MOTHERS (FA)**

p 11 minutes B&W: \$2.15  
A film quiz on farm animals. Seven different animals are shown and the viewer is asked to name them.

**FARM PETROLEUM SAFETY (API)**

h-c-a 27 minutes Color: \$2.15  
Dramatizes the need for safety on the farm, particularly in handling inflammables.

**FARM TRACTOR CARE (STD)**

general 32 minutes Color: \$2.15  
A series of practical field scenes showing the most efficient methods of tractor care. The film dramatizes the important daily services needed to obtain maximum power and long life at minimum cost.

**FARM TRACTOR SAFETY (AMPI)**

j-h-c-a 22 minutes Color: \$2.15  
Illustrates the dangers in making a wrong hitch, tipping backwards on inclines, of fire through a spark when filling the gasoline tank, of removing a belt while in motion, and getting clothing caught in the moving parts. Emphasizes the need for teaching boys on the farm safe tractor operation.

**FARMER, THE (EB)**

p-i 15 minutes Color: \$5.15  
A typical day in the life of an American farmer includes combining, baling, milking, and regular chores. The film shows how the whole family of the farmer shares in work and play on the farm.

**FARMER—FISHERMAN (NORWAY) (UW)**

i-j-h 20 minutes B&W: \$4.15  
Shows how the long winters and poor land make it necessary for the people of Norway to farm in the summer and supplement their income by fishing during the winter. The customs, characteristics, and family life of the people are revealed.

**FARMERS OF INDIA—MIDDLE GANGES VALLEY (UW)**

j-h-c 19 minutes B&W: \$4.15  
In this film of the Middle Ganges Valley, the principle is developed that life in densely populated, undeveloped lands is marked by great poverty, crowded living conditions, and often famine and disease. We see that, although India is a land of natural riches, most of her people live in great poverty.

**FARMERS OF THE ANDES (HFE)**

j-h-c-a 11 minutes B&W: \$2.15  
A splendid record of the way in which farming is still carried on in remote parts of the world. It describes the farmers' living conditions, their principal grain crops, their primitive methods of threshing and winnowing, and the way in which they meet the problem of high altitude.

**FARMING IN SOUTH CHINA (HOME LIFE IN SZECHWAN PROVINCE) (UW)**

i-j-h 17 minutes B&W: \$4.15  
The Szechwan basin of South China is seen to be a densely populated country, where farmland is scarce and an intensive subsistence type of agriculture is the characteristic means of livelihood.

**FARMS AND TOWNS OF SLOVAKIA—DANUBE RIVER COUNTRY (UW)**

i-j-h 20 minutes B&W: \$4.15  
Shows Slovakia along the Danube River. Bratislava indicates the contrast between the old city and the new, and life in the country is pictured going on much as it has for generations. Also shows products raised, schools, religious activities, and an evening with a Slovakian family.

**FARMYARD BABIES (C)**

p 10 minutes Color: \$3.45  
On her morning rounds, Daisy, the farm dog, sees a variety of "babies" of the farmyard—lambs, calves, colts, chicks, and others.



**FARMYARD WHOOPEE (UW)**

p-i-j 6 minutes B&W: \$1.50  
A mule, dog, cat, and chicken save a farmer from Indians.

**FAROE ISLANDS FAMILY (EB)**

i-j 11 minutes B&W: \$2.15  
Shows how the people of this Danish possession in the North Atlantic manage to obtain enough food for survival. Pictures the cooperation within the family and among the neighbors in procuring the necessities of life.

**FASHION MEANS BUSINESS (McGH)**

h-c-a 17 minutes B&W: \$3.85  
After discussing factors that make the fashion business an ever-changing and risky one, the film shows sequences on the famous Paris designers and the factories of New York. Information on the International Ladies Garment Worker's Union is also included.

**FATE OF A CHILD (UNFD)**

h-c-a 17 minutes B&W: \$3.65  
The death of a child dramatizes conditions which prevail in an underdeveloped area of the world. Shows how the technical assistance program of the United Nations helps the economic development of such areas, so that the evils responsible for the death can be eliminated.

**FATHER OF THE SOUTHWEST (AV)**

j-h 12 minutes Color: \$3.80  
Portrays a Spanish Jesuit priest, Father Eusebio Kino, who brought civilization to southwestern Arizona and northern Mexico. Discusses his explorations and shows how his innovations in agriculture, animal husbandry, and architecture have influenced and improved the economy and culture of the area.

**FEARS OF CHILDREN (IFB)**

c-a 30 minutes B&W: \$5.40  
Portrays a parent-child situation in which a five-year-old boy reacts to his mother's overprotectiveness and his father's impatience with his behavior. The conflict confuses the boy and magnifies his rudimentary fears. Through the advice of a friend, the parents make effort to understand the situation and learn to tolerate some rebellion from the child.

**FEDERAL GOVERNMENT, THE (THE PLAN OF ORGANIZATION) (C)**

j-h-a 14 minutes B&W: \$2.40  
Structure and function of the federal government are presented here in a manner designed to give a clear-cut picture of the government and its operation. Outlined are the primary divisions of responsibility—legislative, executive, and judicial. The reasons for this division and the problems that arise from the many quasi-legislation and quasi-judicial boards and agencies are also shown. The importance of understanding the maintenance of good, efficient, responsive government is stressed.

**FEDERAL RESERVE BANK AND YOU (USTF)**

h-c-a 30 minutes B&W: \$4.75  
Shows why and how the Federal Reserve influences the nation's volume of money and credit, how it enables commercial banks to serve their customers better, and how it serves as banker for the United States Treasury.

**FEDERAL RESERVE SYSTEM (EB)**

h-c-a 22 minutes B&W: \$3.65  
Graphically explains the purpose and functions of the Federal Reserve System. Shows how the System, growing naturally out of a national need, was devised to meet certain economic conditions. Covers the period from the money panic of 1907 through World War II.

**FEDERAL TAXATION (C)**

j-h-c 10 minutes B&W: \$2.15  
In discussing taxes with their parents, two children learn the constitutional and statutory basis for federal taxation, the need for taxation, various bases for determining the extent of taxation and the many ways in which our tax dollar is used.

**FEEBLEMINDED (PSU)**

c 36 minutes B&W: \$6.15  
Illustrates three main causes of feeble-mindedness. Classification of the different types are given in terms of psychological test results and basic pathology. Also shows how children of different ages with particular types are occupationally trained. (Showings restricted to advanced students)

**FEED AUTOMATION THROUGH A ONE-INCH PIPE (UI)**

h-c-a 8½ minutes Color: N.C.  
Can you imagine feed piped over a farmstead with the ease and convenience of pressurized water? This film depicts the results of on-the-farm research by University of Illinois and USDA agricultural engineers in constructing a new feed-handling system. It shows in detail the parts of the system and how they work together. Excellent for all groups interested in new automation techniques. Valuable to illustrate use of electricity in feed automation.

**FEEDING FARM ANIMALS (USDA)**

h-c 18 minutes B&W: \$2.65  
A carefully prepared mixture of information and entertainment designed to give basic facts on feeding and to stimulate the desire of farmers to learn more from bulletins, magazines and books. There are scenes from a number of states, and the film should be useful in all parts of the country. The information is presented as practical advice from an experienced farmer to his young neighbor. The good health, economy, and greater production that come with proper feeding are emphasized. In everyday terms the old farmer describes the six classes of nutrients: carbohydrates, fats, proteins, vitamins, minerals and water.

**FEELING LEFT OUT (SOCIAL ADJUSTMENT) (C)**

h-c-a 13 minutes B&W: \$2.65  
Mike wants to get into a high school clique which does not accept him. When he awakens to the many opportunities for friendships around him, he is on his way to social maturity. The film is aimed at developing sympathy and understanding for the socially isolated and offering suggestions for overcoming this condition.

**FEELING OF HOSTILITY, THE (NFBC)**

c 32 minutes B&W: \$4.65  
Presents the case history of Claire, who develops a feeling of hostility because she does not receive affection and understanding from her family. She finds compensation by achieving scholastic success for the sole purpose of surpassing others. She improves under the guidance of an understanding teacher, but her capacity for love and friendship is impaired permanently.

**FEELING OF REJECTION (NFBC)**

c 21 minutes B&W: \$3.15  
Case history of a neurotic young adult who has not yet learned to make decisions independently. She suffers from physical symptoms of illness such as headaches, extreme fatigue, and dizzy spells. As no physical causes can be found, she is referred by her doctor to a psychiatrist who is able to uncover the emotional basis for these physical reactions.

**FEELINGS OF DEPRESSION (NFBC)**

c-a 30 minutes B&W: \$5.15  
Shows how John Murray, outwardly a self-sacrificing man, who has devoted himself to furthering his brother's career, has carried a buried resentment of his brother since childhood. His struggle with conscience manifests itself in fits of wretched despondency when he feels he does not deserve the love and esteem of his wife and associates. The film points out that he may recover spontaneously, or, through psychiatric treatment, he can be helped to understand himself fully.

**FELT PEN SKETCHING (YA)**

j-h-c-a 11 minutes Color: \$3.90  
A film giving in some detail some of the uses of the felt pen. Particular emphasis is given to its use as an aid in producing certain types of art pictures and posters. Detailed instructions are given for the care and loading of the pen and some mention is made of uses for the pen other than for art work.

**FELTBOARD IN TEACHING, THE (WU)**

c-a 12 minutes Color: \$3.15  
Describes the construction of a feltboard and demonstrates its various uses in the classroom. Shows samples of commercially available felt cutouts and gives directions for using pictures cut from magazines. Summarizes the advantages of the feltboard such as its portability, low cost, flexibility, and versatility.

**FERNS (AL)**

j-h-c-a 12 minutes B&W: \$2.15  
By means of microscopic and time-lapse photography, we see the complete double-life cycle through the production and development of spores of the fern.



**FESTIVAL OF SPRING (CAR)**

p 10 minutes B&W & Color: \$3.40  
A cartoon tells the story of a little boy and his mother who take a trip into the land of make-believe. It shows that God has made everything and that we are dependent on Him.

**FIDDLE DE DEE (NFBC)**

general 5 minutes Color: \$2.15  
To the tune "Listen to the Mocking Bird" the artist, painting on film, has interpreted in color the nuances of the violin. Thousands of color combinations flow across the screen, often with brief flicks of free color dancing across the main flow like sharp notes across the rich harmony of the tune. Created by Norman McLaren.

**FIELD TRIP (VDE)**

c-a 9 minutes Color: \$2.65  
Tells the story of how a biology class prepared for, conducted, and followed up on a field trip to Dismal Swamp. Objectives and purpose of the trip are established. Shows follow-up activities and reviews principles in the use of a field trip as a learning experience.

**FIELD TRIP TO A FISH HATCHERY (C)**

i-j 10 minutes B&W: \$2.15, Color: \$3.40  
A class takes a film field trip to a fish hatchery and sees fish eggs taken from the female, fertilized, hatched, and developed from fry into fingerlings. Important details about the structure of fish and how fish are planted in the streams and lakes are also included.

**FIFTH AMENDMENT AND SELF-INCRIMINATION, THE (McGH)**

h-c-a 29 minutes B&W: \$5.15  
Edward R. Murrow's "See It Now" TV debate between Professor Ralph Sharp Brown of Yale and Professor Edwin P. McNamus of Georgetown. They discuss the way the Fifth Amendment is interpreted and used by the courts, Congressional Committees, and by the general public.

**FIGHT FOR BETTER SCHOOLS, THE (McGH)**

a 22 minutes B&W: \$2.15  
How the citizens of Arlington County, Virginia, raised the standards of their schools from among the nation's poorest to among the nation's finest. By showing how the people of Arlington planned and worked, the film tells how other communities can effect legislation and revitalize the public schools. The struggle to improve education in Arkansas, Delaware, and Long Island is also shown.

**FIGHT FOR THE SKY (UW)**

h-c-a 20 minutes B&W: \$2.15  
Story of the 8th Fighter Command of the 8th Air Force, operating from England; its record in escorting bomber missions into Germany, challenging and destroying the Luftwaffe before D-Day, and then with the skies clear, crippling German transportation on the ground. Shows how different groups of fighters escorted bomber flights.

**FIGHT GAME, THE (McGH)**

j-h-c-a 17 minutes B&W: \$3.40  
Starting from the days when the rules of boxing were first formalized, this film gives glimpses of such past heroes as Gans, Nelson, Dempsey, Tunney, and Louis at the height of their greatness. Also emphasized is the use of boxing by groups working with boys to give them healthful recreation and to channel their energies away from socially destructive practices.

**FIGHT THAT FIRE! (T)**

general 9 minutes B&W: \$1.65, Color: \$2.40  
Shows what fire is and how it can be stopped. It gives the fundamental rules of fire precaution and prevention, and explains how to use fire fighting weapons effectively.

**FIGHTER PILOT (CAA)**

h-c 7 minutes B&W: \$2.15  
Relates the activities of an average British fighter pilot. Scenes include dog fights with the enemy and the sensations of flying at over 25,000 feet are clearly described.

**FILING PROCEDURES IN BUSINESS (C)**

h-c-a 11 minutes B&W: \$2.15  
By showing a typical central filing system in action, this film bridges the gap between theory and practice. Here students will see a large, efficient filing system functioning as an integral part of a well-run business organization.

**FILM AND YOU (NFBC)**

general 22 minutes B&W: \$2.90  
The film touches on the various ways in which films can be used to improve community life. Illustrations of the effect of films are provided with scenes on health, safety, home improvement, and others. It also effectively points up the way in which community groups and organizations can cooperate in a film council to assure adequate local facilities for film procurement and use.

**FILM AND YOU (USING THE CLASSROOM FILM) (BFS)**

c-a 13 minutes Color: \$4.70  
The film opens as an elementary school principal points out ways in which a teacher can make her work more effective by utilizing instructional aids. To show how the motion picture plays its unique role in the classroom, he introduces us to a sixth grade teacher who is about to show the film, *Swedish Family Story*, to her class. We see how the class is prepared for the showing; and afterwards, how the full value of the film is enhanced and retained through a variety of follow-up activities. Emphasized is the importance of having proper background enrichment materials in the classroom.

**FILM COMMUNIQUE #1 (OWI)**

general 17 minutes B&W: \$2.15  
First of a series of pictorial reports made during the war on our war effort. In this issue: civilian war workers rushing completion on military vehicles, troop carrier activity off New Guinea and a reminder that war costs men as well as money.

**FILM COMMUNIQUE #2 (OWI)**

general 19 minutes B&W: \$2.15  
Scenes of fighter-bombers mopping up over Sicily and sequences from a bomber flight. Views of high Nazi officials praising their industrial workers and engineers for their war effort.

**FILM COMMUNIQUE #3 (OWI)**

general 19 minutes B&W: \$2.15  
Five parts: LST's putting men ashore under fire in Sicily, a military religious service on Guadalcanal, assembly of U.S. railroad equipment for shipment overseas, P-47's blasting Nazi fighters, and a paratroop attack on Lae, New Guinea.

**FILM COMMUNIQUE #4 (OWI)**

general 18 minutes B&W: \$2.15  
A review of bomber attacks in the Pacific; honoring of American Negro troops for a record-breaking rebuilding of the airfield at Munda; Lt. Gen. Clark's landing in Italy.

**FILM COMMUNIQUE #6 (OWI)**

general 19 minutes B&W: \$2.15  
Vivid scenes from the taking of Cape Gloucester and Araws on New Britain Island. Piper cubs directing and checking on artillery fire, a B-24 helping rescue a standard Liberty ship, and the portable fuel lines used to carry vital fuel from Italian ports to the front lines.

**FILM COMMUNIQUE #7 (OWI)**

general 19 minutes B&W: \$2.15  
Highlights of the combined operations action in taking the Marshall Islands. Also shows how units isolated by unmapped jungle are supplied by air.

**FILM COMMUNIQUE #8 (OWI)**

general 19 minutes B&W: \$2.15  
Some exciting low-level bombing shots, scenes of establishing a beachhead in Italy and the men being attacked by Nazi dive bombers; closing shots show medical care of casualties during the battle.

**FILM COMMUNIQUE #9 (OWI)**

general 19 minutes B&W: \$2.15  
Return of the B-24; "Blue Streak"; Private Snafu in "Fighting Tools"; and scenes of Gen. Stillwell's American and Chinese troops battling in Burma.

**FILM COMMUNIQUE #10 (OWI)**

general 19 minutes B&W: \$2.15  
Artillery activity in Italy; footage on aerial combat over Nazi Holland and France; combat scenes from Bougainville.

**FILM COMMUNIQUE #11 (OWI)**

general 22 minutes B&W: \$2.15  
Scenes of Task Force 58 in action off Saipan.



**FILM COMMUNIQUE #12 (OWI)**

general 19 minutes B&W: \$2.15  
How Nazis made swastika emblem of Germany and tried to make it the sign of the world. Scenes of 72,000 Chinese laborers handmaking an airfield in China. Ski Guys. Retaking of Guam.

**FILM COMMUNIQUE #13 (OWI)**

general 18 minutes B&W: \$2.15  
Mostly scenes from CBI theatre of war.

**FILM RESEARCH AND LEARNING (IFB)**

c-a 14 minutes B&W: \$3.25  
Describes research studies which show how the use of the film in instruction can improve student achievement in such fields as reading, science, and social studies.

**FILM TACTICS (USN)**

general 22 minutes B&W: \$2.90  
Emphasizes through dramatized episodes how training films should and should not be used by instructors, and presents a convincing portrayal of the correct way to use motion pictures in education.

**FINAL HOURS OF JOAN OF ARC, THE (YOU ARE THERE) (CBS)**

j-h-c-a 28 minutes B&W: \$5.65  
On May 30, 1431, in Rouen, France, occurred the final hours of interrogation and burning of Joan of Arc, deserted by Charles VII after having helped him to become King of France.

**FINAL PERFORMANCE OF SARAH BERNHARDT, THE (YOU ARE THERE) (CBS)**

j-h-c-a 28 minutes B&W: \$5.65  
On November 30, 1922, despite the approach of death, Sarah Bernhardt makes a final appearance on the stage to say farewell to the public who has adored her as an actress of great magnitude. This film is a high point in the history of the American theater.

**FIND THE INFORMATION (C)**

j-h 10 minutes B&W: \$2.15  
By learning how indexes are prepared, students discover how a great collection of material is made readily available. They find out how the index can be easily read and to what extent information is available through indexes in every library.

**FINDING OUT ABOUT ROCKS (UW)**

p-i 14 minutes Color: \$4.70  
This film is designed to provide young pupils with a simple introduction to the study of earth materials. It shows in graphic, step-by-step, live-action sequences how the pleasant land we know today evolved from the great mass of rock and water that was the early planet. It illustrates how the pounding action of the surf, freezing temperatures, shifting winds and simple plants combined with the force of gravity to break up rocks into sand, and to form soil.

**FINDING THE RIGHT JOB (C)**

h-c 10 minutes B&W: \$2.15  
A vocational guidance film that concerns with actual facts in the problem of finding a job. Presents job-lead sources with emphasis on some of the crucial stages and factors in obtaining a job. Suggests points to be considered in evaluating the future possibility of a job.

**FINDING YOUR LIFE WORK (VGF)**

j-h-c-a 18 minutes B&W: \$4.15  
Opens with a picture of a boy fishing and quickly leads to the fact that, in getting a job, the baits required are personality, training, and experience. Then follows a discussion of these points: know oneself, study vocations, build character on a firm foundation, and believe in opportunity.

**FINGER PAINTING (CREATIVE HANDS SERIES) (IFB)**

p-i-j 6 minutes Color: \$2.40  
Shows children having fun, some using this technique for the first time and others who have created pictures and designs this way many times before. Designed to leave the imagination free to create after stimulating the children's interest and suggesting "how-to-do-it."

**FINGER PAINTING METHODS (C)**

c-a 8 minutes Color: \$2.80  
Illustrates the necessary materials and various styles of finger painting for young children. A teacher education film.

**FINGER PAINTING TECHNIQUES (JHP)**

i-j-h-c-a 10 minutes Color: \$3.15  
Demonstrates this medium through which the average person, without artistic talent, can find artistic expression.

**FINISH FORMING BY HAND (UW)**

h-c-a 17 minutes B&W: \$2.90  
Presents various stages of forming with a flat fibre strip; shrinking large wrinkles with a forming tool; marking excess metal with a surface gage; and checking finished work with a contour template.

**FINLANDIA (SF)**

j-h-c-a 10 minutes B&W: \$2.00  
Sibelius, at work and at leisure in his home, portrayed against a sound track of excerpts from *Finlandia* and the *Second Symphony*. Performed by the Helsinki Philharmonic Orchestra.

**FIRE (EB)**

j-h-c 10 minutes B&W: \$2.15  
Describes domestic use of fire, principles of combustion, nature of fire hazards, and principles of fire extinguishing.

**FIRE (PRIMARY SCIENCE) (GA)**

p-i 10 minutes B&W: \$2.15  
What is needed to make a fire is shown. What fire does for man and how it is controlled is also illustrated. We are shown what to do when a fire gets out of control.

**FIRE (JR. SCIENCE SERIES) (McGH)**

j 13 minutes B&W: \$2.60  
Shows the materials required to make a fire, and explains why things burn. Explains why fire extinguishers put out fires, and demonstrates how to make a toy fire extinguisher.

**FIRE AND POLICE SERVICE (VGF)**

j-h-a 10 minutes B&W: \$2.15  
Describes the qualifications, examinations, and training for positions in fire and police service, and the work done by each.

**FIRE CISTERNS FOR THE FARM (PCA)**

h-c-a 10 minutes Color: N.C.  
Stresses the advantages of having a fire cistern on the farm. Shows how to construct a cistern.

**FIRE EXIT DRILLS AT OUR SCHOOL (C)**

p-i 10 minutes B&W: \$2.15  
The importance of reacting to the fire alarm quickly and in an orderly manner while leaving a classroom is pointed out. The student is told what to do if he is not in his room when the alarm is sounded. Other rules for fire drill routines are also discussed.

**FIRE FIGHTING FOR HOUSEHOLDERS (UW)**

j-h-c-a 8 minutes B&W: \$1.65  
Shows various ways of fighting fires which might result from enemy attack, describes various types of home fire extinguishers, and illustrates other methods of putting out fires. Measures such as the cleaning up of rubbish are recommended for preventing home fires.

**FIRE IN THEIR LEARNING (NEA)**

c-a 19 minutes Color: \$4.65  
Shows how a fourth-grade class makes a study of fire and fire prevention. Intended to demonstrate good teaching methods and procedures in safety education.

**FIRE! PATTY LEARNS WHAT TO DO (F)**

p-i 17 minutes Color: \$4.65  
When fire threatens the farm each of the Garmen children does his part to prevent it. Also shows a fire prevention lesson at school.

**FIRE POWER (OWI)**

h-c 10 minutes B&W: \$2.15  
Dramatizes the vital need for all types of guns and ammunition, showing how nations which did not have sufficient fire power fell before the Nazis.



**FIRE PREVENTION IN THE HOME (EB)**

i-j 12 minutes B&W: \$2.40  
 Employs a story treatment to teach awareness of important aspects of fire prevention in the home. Demonstrates the proper use of matches and a fire extinguisher. Illustrates investigation of electric outlets and points out common danger spots in attics and basements. Stresses the desirability of making fire prevention a family matter.

**FIRE SAFETY IS YOUR PROBLEM (YA)**

p-i 11 minutes B&W: \$2.25  
 Rules for fire safety and prevention in the home.

**FIRE SCIENCE (CW)**

i-j 14 minutes B&W: \$3.45  
 This film deals with the historical development of man's uses of fire from primitive times to the present day. Experiments demonstrate the concepts of fuel, kindling temperature, and oxygen, or the three elements of fire, and the chemical action of fire. Spontaneous combustion is also explained.

**FIREHOUSE DOG (FA)**

p-i 10 minutes B&W: \$2.15  
 The firemen train Freckles, the firehouse dog, in the ways of safety in preparation for a fire emergency. When Freckles learns his lessons he is made a regular member of Engine Company Number One.

**FIREMAN (TOM)**

p-i 12 minutes Color: \$3.40  
 How do firemen get upstairs? What kind of clothes do they wear? Where do firemen eat and sleep? What goes on in a fire-station all day long? Primary graders put these questions to a fireman who answers them one at a time. Here is a picture revealing the trained fire fighter as he really is.

**FIREMAN, THE (EB)**

p-i 11 minutes B&W: \$2.15  
 Portrays in detail the organization and activities of a company of firemen in a modern city. Care of equipment, drills, testing of trucks, hose, ladders, and life-saving devices are shown. Shows the firemen fighting a real fire.

**FIRST AID: FUNDAMENTALS (C)**

i-j 11 minutes B&W: \$2.15, Color: \$3.40  
 An introduction to first aid: covers skin wounds, burns, sprains and bruises and presents an introductory demonstration of the back-pressure arm-lift method of artificial respiration.

**FIRST AID ON THE SPOT (3RD EDITION) (EB)**

j-h 10 minutes B&W: \$2.35  
 Features six common types of injuries or disabilities and the approved American Red Cross technique for handling each: caring for wounds, burns, and shock; of splinting, controlling bleeding, and administering artificial respiration.

**FIRST ATOMIC PILE (TFC)**

j-h-c-a 17 minutes B&W: \$3.15  
 Demonstrates the first test of the theories of nuclear fission at the University of Chicago. Stresses the need in modern, large-scale research for the cooperative efforts of scientists. Focuses attention on human relationships and attitudes arising from scientific progress. *Restricted to Classroom Use.*

**FIRST CHAIR, THE (WPP)**

j-h 36 minutes B&W: \$2.15  
 A tour of the world's largest band-instrument factory during which the viewer is shown many processes used in manufacture of the instruments. In addition, musicians perform on wind instruments.

**FIRST DAYS IN THE LIFE OF A NEW GUINEA BABY (NYU)**

c-a 20 minutes B&W: \$3.65  
 Written and narrated by Margaret Mead, this film clearly shows the first days of a baby that is born into a headhunting tribe in New Guinea. After giving birth to her baby, a mother takes a bath. Twenty minutes later, the wet nurse nurses the newborn child. Thick wet clay is applied to the baby to protect its skin. Other scenes are taken from the first day after birth and the fifth day.

**FIRST FLIGHT OF THE WRIGHT BROTHERS, THE (YOU ARE THERE) (CBS)**

j-h-c-a 27 minutes B&W: \$5.65  
 The first flight of the Wright Brothers on December 17, 1903, at Kitty Hawk, North Carolina, helps to show the place of science and invention in our life, and dramatically reminds us of the great progress made in the last fifty years.

**FIRST IMPRESSIONS (UW)**

c-a 21 minutes B&W: \$2.75  
 We are shown some of the reasons why new employees may not like their jobs. The film points out some primary steps in giving them a good first impression.

**FIRST LESSON (GREGG SHORTHAND) (McGH)**

h-c-a 15 minutes B&W: \$3.65  
 Louis A. Leslie, co-author of GREGG SHORTHAND SIMPLIFIED, demonstrates with a class of actual beginners how shorthand is introduced on the first day; how the blackboard presentation is handled, and how the class responds to the blackboard drill.

**FIRST LESSONS (IFB)**

c-a 20 minutes B&W: \$3.85  
 The teacher is faced with difficulty when an aggressive child becomes a member of the class. The film acquaints us with the problems of the child himself and the attitudes of other children who are exposed to his behavior. Shows how a teacher might work to overcome these problems.

**FIRST MAJOR TEST OF PENICILLIN (YOU ARE THERE) (CBS)**

j-h-c-a 27 minutes B&W: \$5.65  
 An example of the scientific development in modern medicine and the influence it makes in war and peace is dramatized by the discovery of a yellow-brown powder. Its subsequent use creates new hope for millions.

**FIRST MOSCOW PURGE TRIALS, THE (YOU ARE THERE) (CBS)**

j-h-c-a 27 minutes B&W: \$5.85  
 August 24, 1936, the eyes of the world are turned to Moscow where sixteen men are being tried for treason, ushering in an era of Soviet mass executions, often without benefit of trial. An appalling demonstration of Soviet disregard for human rights and orderly processes of law.

**FIRST SEIZE HIS BOOKS (TFC)**

h-c-a 20 minutes B&W: \$3.65  
 Deals with the suppression of academic freedom in a totalitarian state. Shows how an honored and celebrated non-Aryan German science professor is discredited and cast into a concentration camp when Hitler comes to power because of the professor's refusal to accept the Nazi racist theories. *Restricted to Classroom Use.*

**FIRST SNOW (UW)**

p-i 5 minutes B&W: \$1.20  
 This cartoon uses animation to depict the excitement of the first snow.

**FIRST STEPS (UNFD)**

j-h-c-a 10 minutes B&W: \$2.15  
 A child crippled by paralysis can become a normal citizen, useful to himself and to society through proper training. Training and practice in the handling of toys can be transferred into the handling of tools and utensils. This film was taken in a summer camp for crippled children and as it ends, a little boy leaves his parents to take his first unaided steps on a crowded city street.

**FISH AND THEIR CHARACTERISTICS (C)**

i-j 11 minutes Color: \$3.60  
 In this film, through underwater photography, we are introduced to the characteristics of fish and shown how this group of vertebrates is fitted for its environment. The film illustrates the variety of form, protective devices, and reproductive methods in different types of fish.

**FISH ARE INTERESTING (FA)**

i-j-h 11 minutes Color: \$3.40  
 Presents examples of various kinds of fish to show distinction between bony and shark-like fishes, and the two groups of bony fishes—soft-rayed and spiny-rayed.



**FISH FAMILY, A (MIS)**

p-i 11 minutes Color: \$3.20  
The complete reproduction cycle of the Blue Acara fish is observed. Included are the processes of nest preparation, egg laying, fertilization, care during incubation, nursery construction, transporting hatchlings to nurseries, and guarding the young. The close family relationship of the Blue Acara is emphasized.

**FISH FRY (UW)**

p-i 6 minutes B&W: \$1.70  
Andy wants a fish. He buys a goldfish which the cat spots in the bowl. There is a merry mixup before Andy rescues the fish.

**FISH IS FOOD (McGH)**

j-h-c-a 11 minutes B&W: \$2.15  
Traces the handling of fish from the time it is caught to the time it reaches the table. Depicts the marketing processes of fresh and salt water fish. Shows problems of supplying a large city such as New York with fresh fish daily.

**FISH OUT OF WATER (MIS)**

i-j-h-c 11 minutes Color: \$3.40  
Shows how the grunion spawns in the sand. The embryonic development of the eggs is studied in the laboratory with photomicrography and time-lapse photography. Animated charts show how the spawning is timed to the tides.

**FISHERMAN'S BOY (C)**

p 11 minutes B&W: \$2.25  
Danny's father is captain of a commercial fishing boat, the "Oliver Smith," yet Danny has never been fishing on it. When he is a real fisherman, his father tells him that he can go. With the help of Mr. Brown, who has fished for many years, Danny learns to fish with a pole from the dock. This earns him the right to go out with his father on the "Oliver Smith."

**FISHERY PRODUCTS STANDARDS (USDJ)**

j-h-c-a 16 minutes Color: \$2.15  
How to make fish sticks and techniques for maintaining a high standard of quality are shown.

**FISHING ARCTIC STYLE (BFS)**

i-j-h 11 minutes B&W: \$2.15  
Eskimos' methods of fishing through holes in the ice, using both barbs and gill nets; and the Alaskan Indians' fish wheels are shown.

**FISHING FUN (UW)**

j-h-c-a 8 minutes B&W: \$1.70  
Scenes of fishing including underwater shots of bass stalking and striking a fisherman's artificial bait.

**FISHING THRILLS (UW)**

j-h-a 8 minutes B&W: \$1.65  
You don't wait for a bite, a thrill, or a fish in this exciting film. The camera goes where the gamblers hungrily eye the bait and strike with a flash of silver scales. You hold fast to a bending rod, you give a fighting fish more line, you meet his vicious rushes, you strain to reel him in, you win the battle.

**FIVE COLORFUL BIRDS (2ND EDITION) (C)**

i-j 10 minutes Color: \$3.60  
Scenes of the goldfinch, cedar waxwing, yellow-headed blackbird, redheaded woodpecker, and the bluejay are shown in the birds' natural habitats.

**FIVE FILM EXERCISES (HPA)**

h-c-a 18 minutes Color: \$6.15  
An animated film in which abstract designs are produced by manipulating opaque papers one over the other with a diffused area of light projected from beneath.

**FIXED GAGES (USOE)**

h-c 16 minutes B&W: \$2.90  
Defines the various forms of fixed gages, shows their correct use and care, and emphasizes their importance in modern mass production. A series of views in a modern factory demonstrates several types of common fixed gages in actual use. Explains the use of common fixed gages to check outside and inside measurements, internal and external tapers, threads, shoulders, and tang recesses.

**FLAG SPEAKS, THE (TFC)**

j-h-c-a 18 minutes Color: \$6.15  
A dramatized portrayal of the origin of our national flag and of the struggles against the abuses to the civil liberties which it symbolizes. Shows the unfurling of the flag at Fort Stanwix in 1777, the Constitutional Convention where the freedoms of democracy were adopted and the abuses of freedom of the press in 1798, freedom of religion in 1833, and freedom of assembly in 1904. Concludes with a guide of correct usage of the flag. *Restricted to classroom use.*

**FLAMING SKY, THE (PLANET EARTH SERIES) (McGH)**

j-h 30 minutes Color: \$7.00  
This film examines present scientific thinking on what the aurora is, what causes it, and its relationship to other events in man's physical environment, including the earth's magnetic field, radio waves, and solar activity.

**FLANNELBOARDS AND HOW TO USE THEM (BFS)**

c-a 15 minutes Color: \$4.70  
Demonstrates a variety of ways to construct and use a flannelboard. Points out many types of material suitable for use on the flannelboard. Illustrates the use of flannelboard in such areas as art, language, social studies, mathematics, home economics, safety, and audio-visual instruction.

**FLANNELGRAPH (UM)**

c-a 27 minutes Color: \$6.75  
Mrs. Lahti, the teacher-demonstrator, explains the uses of the flannelgraph and describes the materials used. Many unique applications are illustrated such as in reading, arithmetic, art, health, and music. We observe Mrs. Lahti utilizing the flannelgraph and watch the children's reactions during and following a story. The film ends with scenes showing the children actually preparing their own flannelgraph materials.

**FLATBOATMEN OF THE FRONTIER (EB)**

i-j-h 11 minutes B&W: \$2.15  
Reveals how the early settlers of the Ohio Valley were required to be "Farmer-Boatmen" through their dependence on the soil for livelihood and on the rivers for transportation. Good frontier personalities, speech, and music are interwoven throughout.

**FLEET THAT CAME TO STAY (UW)**

h-c-a 18 minutes B&W: \$2.15  
Explains the invasion of Okinawa from the U.S. Navy point of view and illustrates the operation by scenes of the combat. Shows Navy resistance to Kamikaze attacks.

**FLEMISH PAINTING: 1440-1540 (FII)**

c-a 11 minutes Color: \$3.90  
Works of Jan van Eyck, van Cleve, van der Weyden, and the anonymous master of the Legend of St. Lucy are presented as well as Jan Provost's demon-ridden vision of Judgement Day. Concludes with van Cleve's compassionate painting of the Magi.

**FLEMISH PAINTING: 1540-1640 (FII)**

c-a 10 minutes Color: \$3.90  
Flemish painting from Pieter Bruegel to Rubens. The Baroque flowers and plants of Jan Bruegel the Elder, the still lifes of Osias Beet all lead to the highpoint of Flemish Baroque paintings, the art of Peter Paul Rubens.

**FLIGHT OVER THE ARCTIC (AAER)**

i-j 11 minutes B&W: \$2.00  
The geography of "Greenland's Icy Mountains" and the continental ice cap are shown in this film.

**FLIGHT SAFETY—DISORIENTATION CRASHES (CAA)**

c 6 minutes B&W: \$2.15  
A cartoon approach to the problem of avoiding disorientation crashes.

**FLIGHT SAFETY—EMERGENCY LANDING ON LAND (CAA)**

h-c 6 minutes B&W: \$2.15  
A cartoon treatment of the do's and don'ts of emergency landings.



**FLIGHT SAFETY—FLAT HATTING (CAA)**

h-c 6 minutes B&amp;W: \$2.15

A very humorous animated cartoon which shows up the dangerous habit of flat hatting as nothing more than childish behavior which endangers life and property and brings disaster to the pilot in form of a court martial and discharge from the Navy.

**FLIGHT SAFETY—LANDING ACCIDENTS (CAA)**

h-c 6 minutes B&amp;W: \$2.15

Live photography and animation remind pilots of the following precepts regarding proper landing technique: go over the check-off list, be alert at all times, make every landing your first, make a good long approach, keep a proper interval, keep a sharp lookout for any danger, don't be afraid to take another turn when necessary, go over the check-off list again, keep air speed adequate, and remember the check-off list.

**FLIGHT SAFETY—SPINS AND STALLS (CAA)**

c 18 minutes B&amp;W: \$2.15

By pointing out the number and costliness of accidents, the film establishes the need for flight safety precautions. Sets up five rules to be followed and visualizes case histories of stall-spin accidents to show why they happen and how to avoid them in the future.

**FLIGHT SAFETY—TAXIING COLLISIONS (CAA)**

h-c 6 minutes B&amp;W: \$2.15

A cartoon approach to the problem of avoiding taxiing accidents.

**FLIPPER, THE SEAL (BACKGROUND FOR READING AND EXPRESSION) (C)**

p-i 11 minutes B&amp;W: \$2.15, Color: \$3.40

At the zoo, children watch Flipper, the seal, and one boy decides to learn more about seals. When seals eat and how they swim, dive, and care for their young are learned in conjunction with the meaning of such words as waves, swimming, dive, and fur.

**FLOOD WEATHER (UW)**

j-h-c-a 30 minutes B&amp;W: \$2.15

Explains weather forecasting for river navigation and flood protection. Includes scenes of the Potomac River floods in 1936 and the Ohio River floods in 1937.

**FLORENCE (COF)**

j-h-c-a 11 minutes Color: \$4.00

Pictures the importance and history of Florence and its place in the Renaissance, art and other cultural fields. Shows people of the past who made Florence famous and describes their works.

**FLORIDA (THIS LAND OF OURS SERIES) (IFI)**

i-j-h 9 minutes Color: \$2.65

Presents the historical, geographical, industrial, and scenic highlights of the state.

**FLORIDA HOLIDAY (UW)**

j-h-c-a 9 minutes B&amp;W: \$1.70

Glimpses of ancient, historic, landmarks and unusual features of Florida's many byways make this movie an appealing travel film. You see the attractions popular among vacationists—and much that is little known, such as the bird sanctuaries, the Everglades and a typical Seminole village deep in the fastness of the jungle.

**FLOW OF ELECTRICITY (YA)**

i-j 11 minutes B&amp;W: \$2.15

Presents the factors which affect the flow of electricity through a simple electrical circuit. Introduces the electron theory and shows the application of a simple circuit in the home.

**FLOWER AND THE HIVE (IFB)**

i-j-h-c-a 15 minutes Color: \$5.00

The relationship between the activity of the bees and the fertility of field and orchard crops is shown. Roles of the queen, drone, and worker bees are depicted in detail.

**FLOWER ARRANGEMENTS FOR THE HOME: PART I (IFB)**

h-c-a 19 minutes Color: \$5.65

Points out the need for artistry in flower arrangements and demonstrates a series of container and flower combinations.

**FLOWER ARRANGEMENTS FOR THE HOME: PART II (IFB)**

h-c-a 19 minutes Color: \$5.65

Demonstrates importance of balance, contrasting colors, and consideration of backgrounds and textures of containers in achieving best effects.

**FLOWERING DESERT (BFS)**

j-h-c-a 10 minutes Color: \$3.40

The locations of the principal desert areas of the world are shown on a map and then illustrated with a series of motion picture scenes. The nature and characteristics of desert climate and topography are explained. Shows how spring brings a myriad of wild flowers to this arid country in contrast to the normal all-year vegetation. Relates typical desert birds and animals to their surroundings.

**FLOWERS AT WORK (EB)**

j-h-c 11 minutes B&amp;W: \$2.15, Color: \$3.40

Animation and time-lapse photography show the parts and the physiology of flowers, types of flowers, and methods of pollination. Shows how cultivation has modified the form of flowers and the relation of insects to cross-fertilization.

**FLUFFY, THE OSTRICH (BACKGROUND FOR READING AND EXPRESSION) (C)**

p-i 11 minutes Color: \$3.40

Fluffy becomes separated from his mother and father, and while searching for them he has many adventures. This film provides a basis for reading and telling stories.

**FLUID FLOW IN HYDRAULIC SYSTEMS (CAA)**

h-c 10 minutes Color: \$2.15

The nature of liquids, types of flow, causes of types of flow, and flow through pipes and orifices are demonstrated and explained.

**FLY HIGH AND LIVE—OXYGEN EQUIPMENT (CAA)**

c 25 minutes B&amp;W: \$2.15

Designed to instruct pilots, air crewmen, and all flying personnel how and when to use the new diluter demand oxygen equipment. Explains the operation of the system and points out the safety features of the equipment.

**FLYING A KITE (EB)**

p 7 minutes Color: \$2.15

The amusing story of the Baxter family on a picnic. Frank and Molly get their kite high into the air, but an old billy goat charges toward it when it lands in a nearby field. Penny, Frank's dog, saves the day by keeping the goat away.

**FLYING FEVER (UW)**

p-i 6 minutes B&amp;W: \$1.20

Gandy Goose shoots so well that he becomes a fighter pilot. His first "solo" panics the army, so they teach him to parachute. His happy landing is loaded with laughter.

**FLYING TARGETS (OF)**

j-h-c-a 10 minutes B&amp;W: \$2.25

The hunting of duck in the scenic marshland of the Tidewater section of Virginia is shown.

**FLYING THE TURN (CAA)**

h-c 9 minutes B&amp;W: \$2.15

Explains and illustrates: slipping and skidding and the need to bank the plane in a turn to prevent slipping or skidding, how to tell when a plane is properly banked, what sequence of control movements is needed to put the plane into a turn and bring it out of the turn; centripetal force and how it is obtained.

**FLYING THE WEATHER MAP (AEROLOGY) (CAA)**

j-h-c 27 minutes Color: \$2.15

Shows observers determining weather conditions at posts. Illustrates the map's features and shows various fronts represented by colored lines. Explains symbols indicating precipitation areas, thunderstorms, rain showers, air masses and pressure areas.

**FLYING THE WEATHER MAP—THE EQUATORIAL FRONT (CAA)**

h-c 12 minutes B&amp;W: \$2.15

Gives all available information about the equatorial front, what area it covers, how it is caused, how the clouds look,



where and when it changes (seasonal, daily, hourly), and how to calculate changes. The second part tells how to fly the equatorial front. States that up-to-date information about the equatorial front depends on data which pilots bring back from trips.

### **FLYING THE WEATHER MAP—THE HOWGOZIT CHART (CAA)**

h-e 11 minutes Color: \$2.15

Explains the purpose of the Howgozit Chart and shows how the Flight Control Officer plots the expected fuel consumption and the Navigator checks consumption during the flight's progress. Studies the various markings of the chart and follows the charting of a flight from Scotland to Newfoundland.

### **FOG (AEROLOGY) (CAA)**

j-h-e 22 minutes Color: \$2.15

The theory of fog formation is discussed briefly. The characteristics and conditions conducive to fog are considered in detail.

### **FOLK SONGS OF AMERICA'S HISTORY (C)**

i-j-h 13½ minutes Color: \$4.50

The film introduces and defines folk music and presents examples from important periods in American history; from early colonial days through Far Western expansion in the late 19th century. Costumed dramatizations provide an historical environment for the songs and help us understand the people and places associated with them.

### **FOLKLORE RESEARCH (THE SEARCH) (CBS)**

c-a 27 minutes B&W: \$5.65

Dramatizes an intensive hunt by University of Arkansas research workers through backwoods districts of the Ozarks. Findings show a parallel between centuries-old English folk tunes and the early growth of our country. Stresses, illustrated in song, the lives of early settlers.

### **FOLKSONGS AND FOLK DANCES OF PAKISTAN (SF)**

j-h-e-a 18 minutes B&W: \$3.45

The dances of East Bengal in Pakistan represent the people's way of life, including the hardships and the good times. The first dance, performed by men, makes effective use of swords and scarfs. Formation effects are also seen in this dance. Along the Punjab we see several women performing a dance which tells the story of a princess. Also there are many dances which are done at harvest time. All these dances are done in full costume and to music which is very much a part of the country.

### **FOOD (McGH)**

h-e-a 12 minutes B&W: \$2.40

Discusses and illustrates the storing, salting, canning, dehydrating, and freezing methods of food preservation. The reasons for food spoilage are explained in detail. Balanced and unbalanced diets are described. Shows food as a weapon of war against disease and as a weapon for peace.

### **FOOD AND PEOPLE (EB)**

h-a 25 minutes B&W: \$5.50

This film points out historical and current theories concerning the balance of food and people. Its theme suggests that a world of plenty is a highly probable guarantee toward a world of peace and security. Ways of increasing food production and of improving world-wide facilities for the distribution of food are illustrated and discussed.

### **FOOD AND SOIL (USDA)**

h-c 11 minutes Color: \$3.00

Attempts to make three points: (1) that the food we eat, with exception of sea food, comes directly or indirectly from the soil, (2) that this soil is being wasted at an alarming rate and lost forever, (3) and that conservation farming methods which protect and rebuild the soil must be used.

### **FOOD FOR PARIS MARKETS—FRANCE (UW)**

i-j-h 20 minutes B&W: \$4.00

How large cities depend upon productive rural hinterlands to supply them with food is the lesson presented in this film. Paris, the first city of France, is one of the largest four cities on the mainland of Europe. Fortunately it can be reached easily from all parts of the country. And equally fortunate, France has within its borders many areas of fertile land. Hence, France can feed the people of Paris and the rest of the country. It is one of the Western European countries which has achieved a large degree of self-sufficiency in food supply.

### **FOOD FROM OUR GARDEN (EB)**

p-i 10 minutes Color: \$3.40

Portrays a garden at the time the vegetables have matured. It reveals the function of roots in anchoring and nourishing plants and the function of leaves in producing energy. It explains that various plants have different edible parts such as fruits, stems, bulbs, and roots.

### **FOOD GETTING AMONG ANIMALS (MIS)**

j-h 15 minutes Color: \$3.90

Describes the eating habits of animals. Explains that nature has employed physical differences to accommodate creatures to their environment. Considers the anteater, rattlesnake, goose-neck barnacle, archer fish, and chameleon.

### **FOOD STORE (EB)**

p 13 minutes B&W: \$2.90

Jack and Ann help their mother in selecting produce and canned goods. They also watch a butcher cut a roast.

### **FOOD THAT BUILDS GOOD HEALTH (C)**

i-j-h 9 minutes B&W: \$2.15, Color: \$3.40

Stresses the relationship of good health to the foods we eat and what those foods are. Irritability, lack of energy and physical weakness are some of the results of a poor, unbalanced diet. How eating the right foods regularly, in the right amounts, contributes to building strong, healthy bodies is shown.

### **FOODS AND NUTRITION (EB)**

j-h-e 11 minutes B&W: \$2.15

Develops a general understanding of proper principles of nutrition. Analyzes normal dietary requirements of carbohydrates, fats, proteins, minerals, vitamins, and water. Animated drawings depict absorption and transformation of sugars, and absorption and storage of fats. Portrays the metabolism of carbohydrates, fats, and proteins, and explains the method of determining basal metabolism rate. Laboratory experiments show results of deficiencies in minerals and vitamins.

### **FOOLS, DAREDEVILS, AND GENIUSES (AIR POWER SERIES) (CBS)**

h-e-a 28 minutes B&W: \$5.65

A kaleidoscopic look at the roaring 20's—aftermath of World War I—an era when the views of men like Charles Lindbergh and General Billy Mitchell on the future of aviation contrasted sharply with the more popular idea that air power could not be considered seriously.

### **FOOTBALL FOR MILLIONS (IHSA)**

j-h-e-a 30 minutes B&W: \$2.15

An amateur chooses Football Rules as his quiz show category. His experience with official interpretations proves interesting, humorous and embarrassing when asked to be the sole judge of the rules on intricate football play situations.

### **FOOTBALL FUNDAMENTALS: BLOCKING AND TACKLING (C)**

h-e 10 minutes B&W: \$2.15

Shows defensive and offensive techniques after an introduction by Tug Wilson who stresses the importance of good blocking and tackling.

### **FOOTBALL JAMBOREE (UW)**

p-i 6 minutes B&W: \$1.70

The game features the mice versus the cats. The felines score and the mouse team is smashed. The micc rooters use sling-shots and start a riot of fun as they roll up the score.

### **FOOTBALL KICKING TECHNIQUES (ATH)**

h-e 20 minutes B&W: \$3.90

Ken Strong illustrates the fine points of punting, place kicking, and other details important to good kicking in football.

### **FOOTBALL PARADE OF 1945 (UW)**

general 10 minutes B&W: \$2.15

Film highlights of Army-Navy, Columbia-Yale, Georgia Tech-Tulane, Notre Dame-Illinois, Washington-So. California, Navy-Notre Dame, Michigan-Ohio State, Indiana-Purdue, and Purdue-Ohio State.

### **FOOTBALL PARADE OF 1949 (UW)**

general 9 minutes B&W: \$2.15

Highlights of the season's outstanding games.



**FOOTBALL THRILLS OF 1943 (ICS)**

general 11 minutes B&W: \$2.15  
The best moments from the big games of the '43 season are shown in this sports review.

**FOR SOME MUST WATCH (ILI)**

general 30 minutes B&W: \$2.15  
Dramatizes the services of a conscientious life insurance agent to his community. Jack Sutton is able to help his policyholders in a variety of crises because of his understanding and planning of insurance policies and programs.

**FORCE (JUNIOR SCIENCE SERIES) (McGH)**

j-h 11 minutes B&W: \$2.15  
Explains what a force is and how forces are added to find a resultant. Describes why bridge cables and telephone wires have slack in them. Shows a force experiment with a toy boat and two stunts with force: a cord that can't be straightened and a napkin that no one can move.

**FORCE AND MOTION (C)**

j-h 11 minutes B&W: \$2.15  
A boy's curiosity leads him to investigation and understanding of force, mass, acceleration and their interrelationships. The film also portrays the effects of the basic laws of mechanics and Newton's three laws of motion, and introduces the student to such terms as inertia, momentum, and reaction.

**FORCE OF GRAVITY, THE (PLANET EARTH SERIES) (McGH)**

j-h 30 minutes Color: \$7.00  
The nature of gravitation is examined from early times to the present. Newtonian and Einsteinian theories are explained and contrasted; gravitational problems of the space age are introduced.

**FORCE OF GRAVITY (McGH)**

p-i 10 minutes B&W: \$2.15  
While roller skating, Judy experiences gravity. She learns other things about what gravity does, how it relates to weight and speed of falling, and a concept of what it is.

**FORCED DOWN AT SEA (CAA)**

h-c-a 22 minutes B&W: \$2.15  
Film shows how equipment is to be used. Does not attempt to cover all situations, however.

**FORCES ACTING ON AN AIR FOIL: AERODYNAMICS SERIES (CAA)**

h-c 22 minutes B&W: \$2.15  
The forces of air as they relate to aircraft structures are studied in this film. Topics treated are lift, drag, angle of attack, and wing chord. A sequence is included on the development and use of wind tunnels to measure the various forces on a wing form. From a discussion and explanation of this activity arises the relationship between lift, drag, wing area, wind velocity, thrust, and weight.

**FORD COUNTY STORY (UI)**

h-c-a 8 minutes Color: N.C.  
How the University of Illinois and the county farm advisors have organized to combat Bangs Disease in cattle.

**FOREST BABIES (GJ)**

p 12 minutes Color: \$3.70  
Presents forest babies: fawn, bear cubs, coyote pups, pheasant chicks, raccoons, mink, opossum, woodchucks, skunks, bunnies and ducklings. Shows how these babies learn and grow quickly.

**FOREST CONSERVATION (EB)**

j-h-c-a 11 minutes Color: \$3.40  
Calls attention to the many ways in which man has depleted the forest by greedy and ignorant exploitation for his own gain and forecasts the results of this exploitation if it is continued. Suggests what is being done, and must continue to be done, in order to save the forest and its vast resources.

**FOREST GROWS, THE (EB)**

j-h-c-a 11 minutes Color: \$3.40  
Describes how forests grow and the elements that contribute to the mature forest. Explains forest zones in relation to temperature and rainfall and defines the phrase "climax forest" in terms of species that predominate when the forest is mature.

**FOREST PRODUCES, THE (EB)**

j-h-c-a 11 minutes Color: \$3.40  
Describes timber and how it grows, explains the watershed's vast underground reservoir, and recalls the facilities of the forest for man's use in physical and spiritual recreation. Emphasizes how these forest resources are threatened by man.

**FOREST RANGER (EB)**

i-j 14 minutes Color: \$3.70  
The story of the ranger's work in water conservation, lumbering, and fire fighting. Portrays the work of men who "spot" fires from fire towers, and shows crews and equipment in action at an actual fire.

**FOREST SMOKECHASER (UW)**

h-c-a 28 minutes Color: \$7.00  
Shows the operations of the heroic and alert young men who spot and handle the one-man forest fires in the western part of the United States.

**FORESTRY AND FOREST INDUSTRIES (VGF)**

j-h-c 10 minutes B&W: \$2.15  
Examples of the general kinds of occupations found among the one million people engaged in the harvesting, processing and distribution of forest products. Scenes of the working conditions are shown.

**FORESTS AND CONSERVATION (C)**

i-j 10 minutes Color: \$3.40  
A study of the critical problem of how to conserve and efficiently utilize our forest resources. Shows correct logging, reforestation, and fire-fighting methods.

**FORM (EB)**

p-i 6 minutes Color: \$2.15  
The character of an object is reviewed through its form. Children will enjoy playing the "What Is It?" game with forms that have a name. Helps create an awareness of the importance of form in the structure of art.

**FORM EVOLUTION (AFF)**

h-c-a 15 minutes Color: \$4.65  
Demonstrates a number of fundamental concepts of nonrepresentational sculpture—concepts of form, volume, and form in motion.

**FORMATION FLYING (CAA)**

h-c-a 7 minutes B&W: \$2.15  
Fundamentals of flying: The take off, landing, and in-the-air formations and procedures.

**FORMING ALUMINUM—BLANKING AND PIERCING (USBM)**

h-c 14 minutes B&W: \$2.15  
Techniques of blanking and piercing are illustrated by animated drawings. Describes the tools employed and the material used in blanking, and shows the operation of the die and punch. The film closes with a summary of instructions on design, lubrication, and maintenance of tools.

**FORMING ALUMINUM—DRAWING, STRETCHING AND STAMPING (USBM)**

h-c 19 minutes B&W: \$2.15  
Techniques of sheet-metal working are illustrated by animated drawings throughout the film. Opens with a reference to properties of cold-working and heat-treatable aluminum alloys, and the purpose of heat-treating and refrigerating metals. Functions of the single-action and double-action or toggle drawing press are described. The film closes with a summary of instructions on selection of metal and use of tools.

**FORMING ALUMINUM—TUBE AND SHAPE BENDING (USBM)**

h-c 17 minutes B&W: \$2.15  
Techniques of bending are illustrated by animated drawings. Problems in tube bending and the principal factors involved such as the alloy, thickness, size, and shape of the tube are discussed. Presents a summary of instructions on machine bending, and points out the importance of smooth finish on contact surfaces of bending tools.

**FORMING OF PLASTIC SHEET MATERIALS (ONI)**

j-h-c-a 14 minutes Color: \$2.15  
Shows how, with proper equipments, plastic sheets can be used by mechanical stretch forming, vacuum forming or blow forming—each process is shown in full detail.



**FORMOSA (ISLAND OF PROMISE) (MOT)**

h-c-a 17 minutes B&amp;W: \$3.90

An account of the work the United States is doing in Formosa to support Chiang Kai-shek's nationalist government and army in exile. We see what is being done to build up living standards and morale of the islanders.

**FORMOSA—BLUEPRINT FOR A FREE CHINA (MOT)**

h-c-a 22 minutes B&amp;W: \$5.15

Shows Chiang Kai-shek's government and army of free China on the island of Formosa. With American aid the army has been trained in modern warfare, government officials have worked out problems of administration, and modern agriculture and industry have been developed.

**FORMS OF MUSIC: INSTRUMENTAL (C)**

j-h-c 16 minutes Color: \$5.30

Visualizes most of the major forms of instrumental music, using colorful animated drawings. Specially selected music by Bach, Haydn, Mozart, Beethoven, and other important composers illustrates the historical development of the sonata form, the classical sonata, the concerto, the symphony, and the tone poem, as well as earlier forms of music.

**FORMULAS IN MATHEMATICS (IFB)**

j-h 11 minutes Color: \$3.60

A pilot is shown using a simple formula ( $D$  equals  $rt$ ) to find out the distance he has travelled in a known direction and when he will arrive at his destination. This formula is further illustrated graphically and pictorially in a number of situations. The film clearly communicates areas of mathematical logic that students often find difficult to understand, helping to bridge the gap between concepts of reality and abstract symbols and formulas.

**FORT TICONDEROGA (McGH)**

j-h 15 minutes Color: \$5.20

Using a combination of animated maps, dramatic re-enactment and present-day scenes, this film explains the significance of the events that took place around the Lake Champlain area in the 18th century. It points out the strategic importance of Fort Ticonderoga in the French and Indian Wars and in the American Revolution.

**40 BILLION ENEMIES (WE)**

h-c-a 25 minutes Color: \$2.15

Shows how refrigeration aids food storage. Stresses the need for proper temperature control, demonstrates how to store food in a refrigerator and how to take care of the refrigerator.

**49TH STATE (RKO)**

j-h-c-a 18 minutes B&amp;W: \$3.90

Indicates the present status of the Hawaiian Islands and why its government feels justified in petitioning for statehood. The economic activities, politics and long record of local constitutional government are emphasized.

**FORWARD A CENTURY (BIS)**

h-c-a 30 minutes B&amp;W: \$4.65

Contrasts industrial and social life in Great Britain in terms of the Exhibitions of 1851 and 1951. Contemporary prints and engravings showing Britain in the second half of the 19th century comprise the first part. The second part emphasizes the changes that have been brought about by oil and electricity; changes that have affected communications, medicine, the home, farming and transportation, and surveys British science and industry today.

**FOSSILS ARE INTERESTING (FA)**

i-j 11 minutes Color: \$3.40

Introduces the concept of the earth's changing surfaces and changing life by showing how fossils are a key to the past. Fossils of plants, fish, wood, and shells.

**FOSSILS: CLUES TO PREHISTORIC TIMES (C)**

i-j 11 minutes B&amp;W: \$2.25

The exciting story of fossils (the traces of ancient animals or plants), where they are found, how they were formed, and what they tell us about the development of life on earth is the subject of this unusual study. Museum dioramas, animation, and many fossil specimens are used to explain the work of scientists and their findings.

**4-H AND THE INSECT WORLD (USDA)**

j-h-c 27 minutes Color: \$2.15

The study of entomology and 4-H Club activities. Close-up photography shows insects which are both beneficial and harmful to man. Points out the need for and methods of control of pests. Shows how 4-H Club members participate in an entomology project by making insect collections, keeping records, and giving demonstrations.

**4-H CAMPING IN ILLINOIS (UI)**

j-h-c-a 24 minutes Color: N.C.

Camping in Illinois is a great experience for any 4-H member. The new members become aware of the intrinsic value of the open country. The older members help them work together constructively and help make "4-H Camping in Illinois" a very important event in every boy's or girl's life.

**FOUR MELODIES IN ALLEGRETTO (OF)**

i 9 minutes B&amp;W: \$1.65

Film contains four musical compositions with themes taken from an imagery of nature: Rimsky-Korsakov's *Flight of the Bumble Bee*, Saint-Saen's *The Swan*, Scarlatti's *The Cat's Fugue*, and Moussorgsky's *Battle of the Chicks in Their Shells*.

**FOUR STEPS FORWARD (CAA)**

h-c-a 27 minutes B&amp;W: \$3.65

Outlines a four-point system for instructing new employees and dramatizes each point.

**FOUR WAYS TO DRAMA (UC)**

c-a 33 minutes B&amp;W: \$5.85

A short dramatic episode is presented in four different versions—for stage, radio, television, and motion pictures. These four treatments, using the same plot and characters, illustrate the requirements of each medium as a contrast and comparison study. Based on a demonstration given before the Television Institute, sponsored by the AETA and the University of California.

**FOX AND THE ROOSTER, THE (EB)**

p-i 10 minutes B&amp;W: \$2.15

This adaptation of one of Aesop's fables points up moral that even a clever schemer can be outwitted when good friends help each other. Animals play all the roles. Characters are a fox, owl, rooster, possum, and dog.

**FOX HUNT (UW)**

p-i 6 minutes B&amp;W: \$1.70

Foxy Fox plots fun and excitement for hunters and hounds. It is more sport for him than for the hunters. Hilarious fun to the finish.

**FOX HUNT IN ITALY (EB)**

i-j-h 11 minutes Color: \$3.40

Photographed in technicolor, this film depicts excitement and color of a fox hunt in the country near Rome.

**FRACTIONS: FINDING THE COMMON DENOMINATOR (C)**

i 13½ minutes B&amp;W: \$3.15

Explains in detail the concepts on which the procedures used in finding the common denominator are based, including "like and unlike fractions" and the fact that there are several ways of writing a fraction. With Greg, we gain an understanding of these procedures by solving several practical problems with the use of illustrated materials.

**FRAME-UP (UW)**

p-i 7 minutes B&amp;W: \$1.70

Gandy's lady love, Sally Goose, jilts him. He challenges his rival, Pimento, to a boxing fight. Gandy gets knocked around in the first round until Sally kisses him. He then excites the crowd as he wins the bout.

**FRANCE (THIS WORLD OF OURS SERIES) (IFI)**

i-j-h 11 minutes Color: \$2.65

Journeys through France: Paris, the Normandy beaches, the farms, Marseilles, Lourdes.

**FRANCE AND ITS PEOPLE (EB)**

i-j-h 14 minutes Color: \$5.15

The environmental and economical status of a typical French family are shown in a way that reveals modern French life. The comparison of the old and new style architecture exemplify the advances that have been made. The industries and occupations of the French are depicted.



**FRANCE: BACKGROUND FOR LITERATURE (C)**

j-h-c 10 minutes B&W: \$2.15, Color: \$3.40  
 Takes your students to the France of Hugo, Balzac, Maupassant, Dickens, and Poe to see for themselves the places where their famous stories were set. An authentic background for discussion and special projects.

**FRANCES AND HER RABBIT (IFB)**

p 11 minutes Color: \$3.80  
 Shows how Frances and her pet rabbit, Hopper, spend an afternoon in the house. Because of a rainstorm Frances stays indoors and decides to draw a picture with Hopper's help.

**FRANK AND HIS DOG (EB)**

p 6 minutes Color: \$2.15  
 This is one of the Primary Reading Series that features Jean, her brother Frank, and their dog, Penny. The series is designed to stimulate reading in the first grade.

**FRANK LLOYD WRIGHT (WISDOM SERIES) (EB)**

j-h 28 minutes B&W: \$6.15  
 One of the world's most original and influential architects discusses his theories of functional architecture and analyzes contemporary styles, tracing them back to Greek and Asiatic origins. In a conversation covering a wide range of topics, Mr. Wright displays the agile wit and eloquence that have made him one of the most colorful personalities of our time.

**FRANK TENDS THE GARDEN (EB)**

p 6 minutes Color: \$2.15  
 One of the Primary Reading Series designed to stimulate reading in the first grade.

**FRANKLIN DELANO ROOSEVELT (OF)**

h-c-a 17 minutes B&W: \$2.90  
 Shows highlights of the public and private life of Franklin D. Roosevelt from the beginning of his political career until his death. Points out his influence in social legislation and in world affairs.

**FRAUD FIGHTERS (McGH)**

j-h-c-a 17 minutes B&W: \$3.40  
 Shows the work of the U.S. Food and Drug Administration in maintaining a constant watch over all medicines, foods, cosmetics, and other items sold interstate to make certain that the products are not harmful and conform with the manufacturer's claims.

**FRED AND BILLY TAKE AN AIRPLANE TRIP (C)**

p-i-j 10 minutes B&W: \$2.15, Color: \$3.40  
 Fred and Billy are going to take an airplane from their home in Chicago to visit their uncle in New York. They telephone the airline to reserve their tickets and go to the airport to get the tickets. The camera follows the loading and preparation of the airplane, the things they see on the way, and the landing at LaGuardia Field. Excellent alternation shows the difference between the way things look on the ground and from the air.

**FRED MEETS A BANK (C)**

i-j-h 11 minutes B&W: \$2.15  
 This story of a bank and its functions presents the purpose and handling of a check, opening a savings account, securing a loan, and a visit to the safety deposit box.

**FREE HORIZONS (FI)**

j-h 17 minutes B&W: \$3.65  
 Deals with the action taken by our government to preserve untouched portions of America in National Parks for the use and enjoyment of all, and to conserve vast tracts of forest land in National Forests for the protection of our dwindling timber supply.

**FREE WHEELING (OF)**

p-i 20 minutes B&W: \$2.65  
 Dickie Moore has an incurable back ailment, so his mother thought. Stimey thought otherwise and joined forces to cure him in a hilarious adventure involving a mule powered, home-made taxi service. Their ideas and innovations in equipping this taxi with floating power, free wheeling, and road clearance connections would put modern car manufacturers to shame.

**FREEDOM COMES HIGH (OWI)**

h-c 14 minutes B&W: \$2.15  
 Story of Ellen, a woman who works in a war plant, and Steve, who is aboard a destroyer somewhere in the South

Pacific. Portrays Steve's courageous decision to sacrifice his life for the cause of freedom, knowing in his heart that those at home will understand.

**FREEDOM OF THE PRESS (UW)**

h-c-a 19 minutes B&W: \$2.75  
 Presents an historical review of freedom of the press in America from Zenger's weekly journal to the publication of today's newspapers.

**FREEDOM TO LEARN (NEA)**

h-c-a 28 minutes B&W: \$4.15, Color: \$7.15  
 The facilities and activities of the State University of Iowa are surveyed. We are shown how, in both scholastic and social activities, this environment helps individuals develop in democratic ways.

**FREEDOM TO READ (CU)**

c-a 14 minutes B&W: \$3.15  
 A new type of discussion film in two parts. The first shows the springboard for discussion and ends on the question of "How can our library best serve our freedom?" Part two restates the problem and provides a conclusion for your program.

**FREEZING FRUITS AND VEGETABLES (USDA)**

j-h-c-a 16 minutes Color: \$4.15  
 Presents a complete step-by-step story on the preparation of frozen fruits and vegetables. To secure high quality, palatable and nutritious frozen foods, follow these simple but important rules: select good varieties, gather at the proper stage, prepare and scald correctly, then pack, in moisture-vapor-resistant containers, freeze and store at zero degree Fahrenheit or lower.

**FREIGHT TRAIN (AB)**

i-j 11 minutes Color: \$3.15  
 Follows a shipment from its delivery at the freight house to the loading into a car in the terminal. Finally we see the car's journey after the final inspection.

**FREIGHT TRAIN (EB)**

p-i 10 minutes Color: \$3.15  
 In this film we see the assembling of fast freight train No. 40 and follow it on its journey to Chicago. We meet all the people involved in this operation and find out why freight trains are important in our daily lives.

**FREIGHT YARD (NYC)**

i-j-h-c 18 minutes B&W: \$2.15  
 Demonstrates the organization essential to efficient and rapid transportation of the nation's freight. Emphasis is placed upon the modern equipment and safety devices employed, together with the inspection and testing thereof to insure safe operation.

**FREIGHTER AT SEA (A)**

i-j-h 17 minutes B&W: \$3.65  
 Shows life aboard a freighter at sea. The activities of the officers and crew in operating the ship are shown.

**FREIGHTER IN PORT (A)**

i-j-h 14 minutes B&W: \$3.40  
 Shows and defines the various parts of the ship and their uses. Animated drawings and a model show how the cargo booms and winches work in handling the cargo. Points out that the ocean freighter is important to all of us because it brings to our country many raw materials and products we need and it carries the products of our forests, farms, and factories to all part of the world.

**FRENCH AND INDIAN WAR (C)**

j-h 11 minutes Color: \$3.60  
 The dramatic period in our nation's history when England struggled with France for control of the North American continent is re-created in this film. In addition to exploring the causes and results of the conflict, the film shows highlights of the French and Indian War, the Albany conference, Braddock's defeat, and finally, ultimate victory for England as Wolfe defeats Montcalm at Quebec.

**FRENCH CAMPAIGN (MOT)**

h-c-a 19 minutes B&W: \$3.40  
 The events from 1939 through preparations for D-Day make this a comprehensive study of France's position in World War II. The street battles between the Nazis and the FFI are shown, and the consolidation of their positions by the French and American Army is explained.



**FRENCH-CANADIAN CHILDREN (EB)**

i-j 11 minutes B&W: \$2.15

An intimate study of the winter home life, environment, and activities of a typical French-Canadian farm family in the Province of Quebec. Reproduced conversations reflect the continuing influence of the French language and customs. School life, ice cutting, rug making, food preparation, and maple syrup refining make up captivating sequences.

**FRENCH CHILDREN (A FARM FAMILY IN BRITTANY) (EB)**

p-i-j 11 minutes B&W: \$2.15

Provides an interesting and enjoyable visit with a farm family living in Brittany in Western France. Emphasizes family living, showing the work of each member of the family and revealing family customs and traditions. Includes characteristic activities in the village school, and trip to a neighboring town.

**FRENCH EXPLORATIONS IN THE NEW WORLD (C)**

i-j 10 minutes Color: \$3.40

Shows the history of French explorations of the New World, and the foundation of French strongholds. Includes the explorers of the New World—Verrazano, Cartier, Champlain, Marquette, Joliet, and La Salle.

**FRENCH FOR BEGINNERS (M)**

h-c 8 minutes B&W: \$2.25

Narrated in elementary French by a native Parisian. Scenes were photographed in the city of Quebec and the surrounding province. It stresses the beauty and unchanging charm of this bit of "Old France" transplanted in the New World. Narration is keyed to students finishing their first-year study of French.

**FRENCH INFLUENCES IN NORTH AMERICA (C)**

i-j-h 11 minutes B&W: \$2.15, Color: \$3.40

From the Gulf of the St. Lawrence to the mouth of the Mississippi, the great French Empire in North America left a profound influence upon the culture of this continent. The living evidences of that culture on our own language, dress, architecture, religion and art forms, are the theme of this visual history motion picture. Authentic historical locations, from Quebec to former forts and trading posts of the middle west, down to the bayous of Louisiana, are presented to document the widespread movement and influence of French explorers.

**FRENCH REVOLUTION (C)**

j-h-c 16 minutes Color: \$5.00

The controversial issues, great personalities, and turbulent events leading up to and through the French Revolution are brought to the screen through the experiences of M. Roget, lawyer and member for the Third Estate. Dramatized episodes in European settings bring vitality to the study of this significant epoch in world history.

**FRESH FROM THE WEST (UPRR)**

h-c-a 25 minutes Color: \$2.15

Describes the production, harvesting, grading, packing, packaging, shipping, marketing, and uses of western grown fresh vegetables. Presents the part played by the railroads in getting fresh garden vegetables to the family table. Market displays and home use demonstrations show how the customer is attracted by the quality and freshness of vegetables.

**FRESH WIND BLOWS, A (USWA)**

c-a 19 minutes B&W: \$2.15

This film is a documentary of the various summer institutes conducted for steelworkers at different universities throughout the country.

**FRICTION (ADVANCED SCIENCE SERIES) (McGH)**

h-c 20 minutes B&W: \$4.30

A film demonstration through diagrams, models, and photomicrography, of the basic laws of friction: first, that friction is independent of surface area, and second, that it is proportional to load. The effect of molecular surface layers in reducing friction and the increase in temperature of sliding contacts are both shown. The principles of fluid and of boundary lubrication are also demonstrated and the chemical action of long-chain fatty acids as boundary lubricants is explained.

**FRICTION (ELEMENTARY) (McGH)**

p-i 10 minutes B&W: \$2.15

Introduces friction as a restraining force, and explains the various ways in which we try to reduce friction or try to increase it to serve our everyday needs.

**FRICTION (JR. SCIENCE SERIES) (McGH)**

j 10 minutes B&W: \$2.60

Explains what friction is and on what it depends. Starting, sliding, and rolling friction are also included. Explains why ball bearings are used and why oil is used in machines.

**FRICTION (PRIMARY SCIENCE) (GA)**

p-i 10 minutes B&W: \$2.15

The Rangers find that friction works against them when they try to drag building materials for their club house over the ground. They then discover various ways to minimize friction—the wheel, ball bearings, etc. They find that friction also works for them.

**FRICTION AND ITS EFFECTS (C)**

i-j 11 minutes B&W: \$2.35

Friction can help us or hinder us, depending on how it is used and controlled. We are shown that when objects rub together, friction is produced—a resistance to movement, which causes heat and wear. Illustrated are the effects, uses, and disadvantages of friction and methods of controlling it.

**FRICTION—HOW IT HELPS AND HINDERS (UW)**

i-j 14 minutes Color: \$4.70

Problems relating to the effects of friction and how it modifies many of our activities and devices are treated in this film.

**FRIEND OF A FRIEND (A)**

h-c-a 16 minutes B&W: \$2.15

Explains the life of a veterinarian who cares for small animals, particularly dogs and other pets.

**FRIEND OF THE FAMILY (McGH)**

i-j-h-c-a 16 minutes B&W: \$3.75

Surveys industries which serve your pets—pet food industry, manufacturers of leashes, and manufacturers of rubber bones. Veterinarians and training kennels are also included.

**FRIENDLY BEASTS: A STORY FROM THE CHRISTMAS CAROL (GJ)**

general 15 minutes Color: \$5.00

A wild goat from the hills of Judea travels to the Innyard of Bethlehem the night of the first Christmas. There she meets the other animals, learns of the gifts each has given the newborn Child, and decides what her gift can be. The traditional carol, THE FRIENDLY BEASTS, forms the musical framework for the film, and its verses are echoed in the conversations of the animals in the Innyard.

**FRIENDLY GIANT SERIES (IU)**

p 14 minutes each B&W: \$3.40 each

**CHICKEN LITTLE COUNT TO TEN****WHERE'S THE BUNNY****COWBOY SMALL****NURSERY RHYMES****RAINDROP SPLASH****SPRINGTIME FOR JEANNE-MARIE**

Six films selected from a television series on visits to the castle of the Friendly Giant in which one hears the giant read children's stories and meets Rusty the Rooster, the two kittens, Me-ow and Me-ow Too, and Jerome the Giraffe. The series presents outstanding books for youngsters from two to six.

**FRIENDSHIP BEGINS AT HOME (C)**

j-h 15 minutes B&W: \$3.90

An adolescent's relationship with the family is discussed in this film. It stresses the fun of doing things in a family group, and treating parents, brothers and sisters with respect and affection.

**FRISKY, THE CALF (C)**

p-i 11 minutes B&W: \$2.15, Color: \$3.40

This is the story of a lovable little calf. The film takes children into the barnyard where they see how the little animal is handled. A valuable background for reading and discussion.

**FROG (EB)**

i-j-h-c 11 minutes B&W: \$2.15

The entire life cycle of the frog is presented. The development of the embryo is brought to the screen in a continuous scene



of only a few seconds. The several changes taking place in the tadpole stage are portrayed by picture and narrative. Slow-motion photography demonstrates the movements of the frog in jumping.

### FROG ANATOMY (IU)

h-c 18 minutes Color: \$5.00

Presents the proper methods for dissection of the frog in order to observe its anatomy. Shows the anesthetizing of the frog prior to dissection. Indicates the structures which can be observed by opening the mouth. The location of the digestive system, urinary system, reproductive system, and heart and circulatory system are pointed out.

### FROG PRINCESS, THE (C)

p-i 6 minutes B&W: \$1.65

Fairyland setting in animation. The prince shoots an arrow into the air, and the one who returns it will be his bride. A frog, who is a princess under the spell of a wicked magician, finds the arrow, and the prince then encounters many dangers as he frees her from enchantment.

### FROGS AND TOADS (YA)

j-h-c 11 minutes Color: \$3.90

Illustrates the life cycle of frogs and toads. Shows the egg developing into tadpole and the tadpole developing into a frog or toad and emerging from water as a land animal. Includes examples of defense against enemies. Shows eating habits and identifies several species.

### FROG'S LIFE (C)

i-j 10 minutes B&W: \$2.25

In this study of the life cycle of the frog, close-up photography records the gradual changes that occur as the spawn develops into tadpoles and then into young frogs. The functions of such body parts as the gills, tail and legs are explained as are the frog's manner of eating, breathing, and maneuvering itself in the water.

### FROM DORIC TO GOTHIC (BRF)

h-c-a 19 minutes B&W: \$4.35

An analysis of the 12th and 13th century architecture. Explains the basis of balance in architecture. Animation, plans, scale models and actual scenes of buildings and exteriors are used.

### FROM FLOWER TO FRUIT (EB) (SILENT)

j-h-c 17 minutes B&W: \$1.65

Time-lapse microphotography shows the development of the rose, lily, and apple. Includes close-ups of the various parts of the flowers and the complete process of fertilization.

### FROM GENERATION TO GENERATION (McGH)

c-a 30 minutes Color: \$8.40

Illustrates the basic facts of human reproduction, showing child-birth as an emotional and spiritual experience as well as a physical one. This film presents the story of reproduction as the case history of a young farm couple. One theme in the film is the lesson that human reproduction is an integral part of the universal pattern of nature. By means of animation, the film also explains the creation and development of the new life.

### FROM KAISER TO FUEHRER (20TH CENTURY) (CBS-McGH)

j-h-c-a 28 minutes B&W: \$5.35

The story of the ill-fated Weimar Republic, set up by forward-looking Germans after World War I, and sent to its death in 1933 by a combination of depression, inexperience of the Germans at democracy, and the doubts of many of its adherents.

### FROM LITTLE WINGS (CAA)

i-j-h-c 14 minutes Color: \$2.15

That youngsters are interested in aviation there can be no doubt. That model plane building is a desirable activity which satisfies and nurtures this interest is convincingly depicted. It is, in short, a story of the appeal model plane building has for both young and old.

### FROM MOUNTAINS TO MICRONS (PCA)

h-c-a 24 minutes Color: N.C.

Concrete, the most useful and widely used of the world's building materials, is composed of crushed rock, sand, water, and cement. This film tells the interesting story of how the

ingredients of cement are gathered from the mountains and the sea to be mixed, burned, and crushed to micron-sized particles for use in the concrete mixture.

### FROM ONE CELL (ACS)

h-c-a 14 minutes Color: \$3.65

This cell study considers embryonic, regenerative, and degenerative cell behavior. Beginning with the fertilized egg-cell and proceeding through the various life stages from infancy to old-age, diagrammatic and live-action sequences review the phenomena of generative growth. The film then moves on to regenerative growth in the repair and replacement of bodily tissues. Finally, the abnormal growth of cancer is presented.

### FROM SEEDS TO PLANTS (GA)

p 10 minutes Color: \$3.60

Jimmy plants a vegetable garden to watch plants grow.

### FROM SENTENCES TO PARAGRAPHS (THE QUILL SERIES) (NET)

h-c-a 30 minutes B&W: \$5.65

Professor Edwin Peterson discusses the method of developing the "explaining paragraph." This type of paragraph structure begins with a generalization, statement of fact, or topic sentence, which is expanded with evidence. To illustrate this type of paragraph organization, he reads many paragraphs, including "The Tale of the Astronomer" from *Aesop's Fables* and the *Twenty-third Psalm*.

### FROM SOCIABLE SIX TO NOISY NINE (McGH)

c-a 20 minutes B&W: \$4.35

This film illustrates typical behaviors that may normally be expected in children from six to nine. Advice to parents is given on handling such characteristic problems as jealousy, occasional dishonesty, destructiveness, and varying interests and activities.

### FROM TEN TO TWELVE (McGH)

c-a 26 minutes B&W: \$5.65

For this age group, it is the problems of discipline, guidance and understanding that confront most parents. We see how much of the conflicting behavior of preteens is actually a normal part of their growth and development.

### FROM THE RIDGE TO THE RIVER (USDA)

h-c-a 26 minutes Color: \$2.15

Tells the story of local watershed organization. Explains the land treatments and the work on the water courses and tells how they are integrated to provide a watershed protection program which will give both farmers and city folks a greater security against floods.

### FROM TREES TO LUMBER (AFP)

general 14 minutes B&W: \$2.15

Follows the manufacturing of lumber from seedling to saw-log and through the mill. Stresses the need for sound forest management to guarantee future supply.

### FROM TREES TO PAPER (AFP)

general 11 minutes B&W: \$2.15

Shows by photography and simple diagrams how paper is made from trees. Tells how scientific forest management assures growth of repeated tree crops.

### FRONTIER FARMERS OF ALASKA (BFS)

j-h 19 minutes B&W: \$3.65

A study of cooperative living in the Matanuska Valley. Shows how an experiment in peaceful cooperative living led to the rehabilitation of a group of displaced farm families from the drought region of the United States and the founding of a democratic community in a once isolated northern wilderness of Alaska. An old film of historical interest.

### FRUSTRATING FOURS AND FASCINATING FIVES (McGH)

h-c-a 22 minutes B&W: \$4.15

This film studies the typical behaviors of the four- and five-year-old child at home and at nursery school. Portrays a boy showing childish helplessness and vigorous self-assertion at four and the beginning of independence and cooperation at five.



**FUELS: THEIR NATURE & USE (EB)**

j-h 11 minutes B&W: \$2.15  
Explains the role of carbon in fuels, the manufacture and storage of carbohydrates by plants, the way in which coal and oil were produced by nature, and how man extracts them. Animated photography describes molecular action in the relation of heat to temperature and the operations of both steam and internal combustion engines.

**FUN AT THE ZOO (UW)**

p-i 15 minutes B&W: \$3.75  
Shows trained lions, tigers, elephants, and chimpanzees of the St. Louis Zoo.

**FUN OF BEING THOUGHTFUL (C)**

j-h-a 9 minutes B&W: \$2.15  
Behind courtesy and all social adjustments lies thoughtfulness. It is expressed in hundreds of small and large ways—in speech, silence, action, and inaction.

**FUN OF MAKING FRIENDS, THE (C)**

p-i 11 minutes B&W: \$2.15  
What are the values of friendship? How do you make and keep friends? These are just a few points about friendship that are dealt with in this film. Designed to help teachers guide classes to a realization of what friends are and how easy it is to be friendly.

**FUN ON THE PLAYGROUND (EB)**

p 11 minutes B&W: \$2.15  
Portrays children engaged in constructive play activities during school recess. Depicts three types of games: those which the children invent; those learned under supervision but carried on by the children alone; and those which represent play growing out of school activities.

**FUN THAT BUILDS GOOD HEALTH (C)**

p-i 10 minutes B&W: \$2.15  
All children need to learn many different kinds of play. By presenting a variety of choices of recreation in terms of good times and good health, this film will have a direct effect on the play activities of children.

**FUN WITH SPEECH SOUNDS (C)**

p 10 minutes B&W: \$2.15  
To improve speech habits the film shows how some difficult sounds should be spoken. Through participation children are encouraged to pronounce sounds which are used in poems and rhymes. The vowels and some consonants such as p, m, l, r, th, and ch are covered.

**FUNCTIONS OF A CITY (PRP)**

h-c-a 10 minutes B&W: \$2.00  
Shows how the home owner of our early history had to supply all of his own necessities, and illustrates how the people of a city, by organizing a municipal corporation, provide these needed services to themselves.

**FUNCTIONS OF THE BODY (UW)**

j-h 16 minutes B&W: \$3.00  
Demonstrates the interdependence of body systems—skeletal, muscular, vascular, respiratory, excretory, endocrinous, and nervous. Shows how their collaboration in the body makes it a smoothly-functioning unit.

**FUNCTIONS OF THE NERVOUS SYSTEM (KB)**

h-c-a 11 minutes B&W: \$2.15  
Illustrates and describes the nervous system and its functions. Emphasis is placed on its regulation of all healthy bodily functions.

**FUNDAMENTALS OF ACOUSTICS (EB)**

j-h 10 minutes B&W: \$2.15  
The phenomenon of hearing and the modification of sound between the source and the hearer are emphasized in this film. The specific elements explained or demonstrated are velocity of sound, refraction, range of hearing, lowering intensity, attenuation in air, eliminating high and low frequencies, reverberation and focusing of sound.

**FUNDAMENTALS OF BADMINTON (AAP)**

j-h-c 12 minutes B&W: \$2.35  
This film covers the basic fundamentals of badminton—the grip, forehand and backhand drop shot, smash, drive, round the

head shot and footwork. These basic fundamentals are demonstrated by left and right handed players and shown in regular speed and slow motion. Some of the outstanding players in the United States demonstrated the fundamentals.

**FUNDAMENTALS OF BOXING (LFI)**

j-h-c-a 10 minutes B&W: \$1.65  
Carl Seibert, veteran boxing instructor, and his students demonstrate every move, offensive and defensive.

**FUNDAMENTALS OF CREATIVE SWIMMING: PART I—STROKES AND STROKING SKILLS (CN)**

j-h-c-a 12 minutes B&W: \$2.55  
Creative swimming is an art form and requires flawless mastery of certain skills. Analyzes and develops the water wheel, front crawl, back crawl, side stroke, and spinning top.

**FUNDAMENTALS OF CREATIVE SWIMMING: PART II—BODY POSITIONS AND FIGURES (CN)**

j-h-c-a 16 minutes B&W: \$3.45  
The principle of sculling is studied as a method of propulsion basic to creative swimming. Body positions studied are the back layout, front layout and side layout. Film then illustrates a variety of body figures.

**FUNDAMENTALS OF DIET (EB)**

j-h-c 11 minutes B&W: \$2.15  
Describes the basic types of food needed in daily diet. Shows man's sources of food and discloses the interchange of energy among plants, animals, and man. Demonstrates the relationship of food to body growth and maintenance through examples of controlled experiments.

**FUNDAMENTALS OF DIVING (UW)**

j-h-c 11 minutes Color: \$3.80  
Demonstrates the first simple exercises for learning water entry and body control; practice bouncing and familiarization with 1-meter springboard.

**FUNDAMENTALS OF FILING (UW)**

h-a 11 minutes B&W: \$1.65  
Demonstrates how to care for, handle, and clean files; and how to select different files for various metals.

**FUNDAMENTALS OF FIRST AID (BOYS) (UW)**

j-h-a 18 minutes Color: \$4.65  
Shows the five main parts of personal damage control; fundamentals of first aid; wounds; bomb blast and burns; fractures, and artificial respiration.

**FUNDAMENTALS OF PUBLIC SPEAKING (C)**

h-c 11 minutes B&W: \$2.15  
Importance of public speaking in a real-life school situation is stressed in this film which follows up with the steps in achieving an effective speech. How to analyze a speech situation, how to plan and how to deliver a talk that will get results.

**FUNDAMENTALS OF SWIMMING (ARC)**

j-h-c-a 31 minutes B&W: \$3.80  
Tips and hints advise the beginning swimmer on the fundamentals of swimming. Particularly useful for those who are enrolled in the Red Cross intermediate program.

**FUNDAMENTALS OF TENNIS (BFS)**

j-h-c-a 20 minutes B&W: \$3.40  
Donald Budge demonstrates basic points. Simple forehand, back hand and service strokes, as well as more advanced strokes are analyzed, and helpful suggestions for their proper execution are clearly demonstrated.

**FUNDAMENTALS OF THE NERVOUS SYSTEM (EB)**

j-h 16 minutes Color: \$5.30  
Animation and live-action photography trace the fundamentals of the nervous system. Shows the structure of the brain and follows the pathways through the central and peripheral systems. Several rare experiments are shown in the film.

**FUNDAMENTALS OF TRACK AND FIELD (EB)**

j-h 25 minutes B&W: \$5.15  
Shows Bob Mathias, 1952 decathlon champion, in training. He demonstrates starts in running, techniques in broad jumping, ways to hold the shot, techniques in high jumping, discus throwing, pole vaulting, and hurdling.



**FUNDO IN CHILE (OIAA)**

i-j-h-c 20 minutes B&amp;W: \$2.90

Life on one of the great agricultural estates of Latin America, as large as many a North American county. The community of hundreds of workers, their use of modern methods and machinery, activities of their own schools, and services of their own church are pictured. A useful teaching film revealing a way of life largely unchanged, in spite of some modern practices, since these estates were founded.

**FUNGUS PLANTS (EB)**

j-h-c 10 minutes B&amp;W: \$2.15

Emphasis is given to the various mushrooms whose growth and reproduction are illustrated by time-lapse photography and animation. Molds and other fungi are also presented by the same techniques. Their economic importance is indicated.

**FUR SEAL (McGH)**

i-j-h 10 minutes B&amp;W: \$2.15

Shows the life of the fur seal on the Pribilof Islands, and the conditions under which the animals are hunted. Other species of seals and sea lions are illustrated.

**FUR TRADE (McGH)**

i-j-h-c 11 minutes B&amp;W: \$2.15

Gives an outline of fur trapping and trading and the commercial use of furs in Canada today. Recalls the importance of the fur trade in Canada's early history and illustrates modern trading methods.

**FUR TRAPPER OF THE NORTH (EB)**

i-j 10 minutes Color: \$3.00

Portrays the rugged life of the fur trapper in the northern wilds. Depicts his summer and early autumn preparations and illustrates autumn and winter trapping activities. Follows through to the coming of spring with the breakup of the ice, the end of the trapping season, and the marketing of the pelts.

**FURNITURE CRAFTSMEN (EB)**

h-c 10 minutes B&amp;W: \$2.15

Depicts the roles of the designer and skilled craftsmen in making custom-built furniture. Pattern-making, laying out, band sawing, power planing, joining, lathe turning, grooving, gluing, carving, and finishing stages are studied in close-up details. Illustrates the interrelation of hand and machine-tool operations and skills required for precision wood-working.

**FURNITURE MAKING (EB) (SILENT)**

j-h-c 15 minutes B&amp;W: \$1.50

Contrasts the important period styles of the past with styles of today. Shows master craftsmen at work and outlines modern methods in machine production of furniture.

**FURY IN THE PACIFIC (OWI)**

h-a 18 minutes B&amp;W: \$2.15

The first film produced jointly by the armed forces for public showings, combining footage from the Army, Navy, Marine Corps, Coast Guard and Army Air Forces. It unfolds with dramatic vigor the problem of a typical combined amphibious action in the Pacific.

**FUTURE OF 1,000,000 AFRICANS (BIS)**

j-h-c-a 21 minutes B&amp;W: \$3.25

Three English protectorates in South Africa—Swaziland, Basutoland, and Bechuanaland—are geographically described for their cultural traits, standards of living, participation in government, and work of the natives. Old footage presents early British commissioners and officials up to the time of Smuts and Malan. It poses the question whether or not the protectorates should join the Union of South Africa or remain with the British.

**G AND YOU (CAA)**

h-c 34 minutes Color: \$2.15

Presents the problem of high acceleration and its physical effects on pilots. Studies the effect of G on the pilot in different flights. Demonstrates the accelerometer and the centrifuge. Gives some suggestions for advancing the blackout threshold. Shows various tests performed to determine the effects of G upon normal pilots. Points out that in every case, the use of flying suits greatly increases the pilot's efficiency and reduces the danger of blacking out. Explains the basic principles of the suit and shows how it is fitted to the pilot.

**GAGE BLOCKS AND ACCESSORIES (USOE)**

h-c 22 minutes B&amp;W: \$2.90

Explains why accessories are used with gage blocks; how to inspect a plug gage, an adjustable snap gage, a profile gage, a ring gage, and a screw-thread pitch; and how to build a height gage and scriber.

**GALILEO (C)**

j-h 16 minutes Color: \$4.80

Filmed in Italy at locations associated with Galileo, the film re-creates some of the dramatic elements of Galileo's struggle for the right of science to question tradition. We see how he disproves earlier theories of Aristotle by demonstrating his laws of falling bodies, how he verified the astronomical theories of Copernicus and how, in spite of strong opposition, he continued to make new discoveries in the realm of physical science.

**GALILEO'S LAW OF FALLING BODIES (EB)**

j-h 6 minutes B&amp;W: \$1.65

Experiments with the inclined plane are re-created. Analyzes freely falling bodies, both in the atmosphere and in a vacuum, to summarize Galileo's ideas.

**GALLOPING HOOFES (OF)**

p-i 7 minutes B&amp;W: \$1.70

Brownie Bear rides in the big, handicap. It is a race to the finish with Brownie's "Fannie."

**GAME OF JAI ALAI (TFC)**

general 9 minutes B&amp;W: \$1.50

Shows the beginnings and development of the great Mexican game that is rapidly gaining popularity all over the world. Relates this fast moving, exciting game to the game of handball, and then shows some exciting scenes in the Fronton Mexico—the arena in Mexico City where the game is at its best. *Restricted to Classroom Use.*

**GANDHI (McGH-CBS)**

j-h-c-a 27 minutes B&amp;W: \$5.35

This life story of Mohandas Karamchand Gandhi, the noted Hindu Nationalist leader and reformer, tells of his long and hard struggle for self-government for India and the elevation of the depressed classes.

**GANDY'S ADVENTURE (UW)**

p-i 6 minutes B&amp;W: \$1.70

Gandy proves himself a goose when he leaves home and is tricked into a stew by Mr. Fox. The heat is really on Gandy when the fox suddenly peppers the stew. Gandy's cyclonic sneeze wrecks the place and he escapes.

**GANGES RIVER (McGH)**

h-c-a 18 minutes B&amp;W: \$3.45

Geography and history of the Ganges River. Significance of the Ganges is covered by discussing irrigation, industry, and the delta region. Religious importance of the Ganges is also investigated. Route and history of this great river is traced.

**GARDEN PLANTS AND HOW THEY GROW (C)**

i-j 10 minutes Color: \$3.40

Illustrates plants which store food in their stems, leaves, roots, and seed pods. Examines a seed and its growth and compares plants grown in good and poor soil, in sunlight and shade. Presents both destructive animals and insects and those which aid plants.

**GARDENING (EB)**

p-i 10 minutes B&amp;W: \$2.15

Follows a boy and girl through a garden-raising project from the selection of seeds to the harvesting of the crops. Radishes, carrots, lettuce, beets, beans, corn, pumpkins, onions, tomatoes, and potatoes are cultivated and harvested. Attention to soil, growth, role of the sun, insect pests, and to the various parts of plants used for food—leaves, stems, buds, and roots—is given.

**GAS FOR HOME AND INDUSTRY (EB)**

j-h 15 minutes B&amp;W: \$3.65

Explains the role of fuel gas as a source of energy in our modern society. Describes production of various types of manufactured gas, using both natural photography and animated drawings. Shows how natural gas is obtained from wells and distributed through pipelines to production centers.



**GAS LAWS AND THEIR APPLICATIONS (EB)**

j-h 14 minutes B&W: \$3.15  
Demonstrates early research leading to the discovery of the relationships of temperature, volume, and pressure of gases. Applications of the gas laws are shown in compression, refrigeration, heat engines, and low temperature research.

**GASOLINE AGE, THE (HISTORY OF TRANSPORTATION IN THE UNITED STATES, PART II) (EB)**

i-j-h 14 minutes B&W: \$3.15  
The film describes the rapid changes that have taken place in the transportation of the United States since the invention of the automobile. Describes also the growth and decline of railroads, the great expansion of the highway system, and the increasing use of air transportation.

**GASOLINE ENGINE (OTTO CYCLE) (PHYSICS SERIES) (McGH)**

c-a 6 minutes B&W: \$2.15  
The six processes that are repeated in the gasoline engine cycle are presented in animation. The concept of thermal efficiency is discussed, and the effect of efficiency-lowering factors is examined.

**GASOLINE'S AMAZING MOLECULES (STD)**

h-c-a 24 minutes Color: \$2.15  
Animation and live photography explain the chemical composition and the production of gasoline. The research, refining, and testing of the fuel are also shown.

**GATEWAY (CAA)**

j-h-c 18 minutes B&W: \$2.15  
Depicts career opportunities in the Air Training Command in radar, electronics, communications, radio, airplane repair, and maintenance, and other technical fields.

**GAY GAUCHO (OF)**

p-i 8 minutes B&W: \$1.70  
Shows Brownie Bear as a gaucho.

**GAY NINETIES LIVE AGAIN (UW)**

j-h-c-a 9 minutes B&W: \$1.70  
Re-edited from original negatives of the period. Shows the first New York "El" train, horsecars, and horse-drawn steam fire engines.

**GAY NINETIES SONGS (UW)**

j-h-a 7 minutes B&W: \$1.70  
The Eaton Boys and company in nineteenth century settings present *I Want a Girl*, *Bicycle Built for Two*, and *My Gal Sal*.

**GENERAL ELECTION (BIS)**

general 20 minutes B&W: \$3.15  
General elections in England. An interesting view of political life there which can be contrasted with practices in this country. The film begins with the formal proposal of the candidates and ends with the excitement of polling day.

**GENERAL FOREMAN, THE (NATURE OF WORK SERIES) (McGH)**

c-a 27 minutes B&W: \$5.35  
In this film the general foreman is the "man in the middle," and is therefore, subject to pressures from above and below. The film shows his conflicting loyalties; to the company, and to the men under him, and views his position in the light of how it satisfies, or fails to satisfy, the man's inner aspirations.

**GENERO Y NUMERO, PARTE I (SPANISH INSTRUCTO-FILM NO. 2) (ALT)**

h-c 15 minutes B&W: \$3.15  
This film in the Spanish Instructo-Film Series is designed to aid the student in becoming more conscious of number and gender, and includes practice of the definite and indefinite articles, descriptive adjectives, comparative, *regular* and *irregular*, *superlative*; the days of the week, the months and the seasons.

**GENERO Y NUMERO, PARTE II (SPANISH INSTRUCTO-FILM NO. 3) (ALT)**

h-c 12 minutes B&W: \$2.60  
This film continues the emphasis on the necessity of abiding by the rules of gender and number. Includes the interrogatives

*which* and *what* followed by the practice of *this*, *that*, *etc.*, and the interrogative *whose* and practice of the possessive *my*, *mine*, *your*, *yours*, *etc.* The cardinal and ordinal numbers are considered from the standpoint of gender and number.

**GENESIS OF EMOTIONS (SILENT) (NYU)**

c-a 30 minutes B&W: \$5.15  
Starting with children two weeks old, this picture traces the emotional development in the child to the end of the first year.

**GEOGRAPHY FROM THE AIR (AAER)**

i-j-h-c 14 minutes B&W: \$3.15  
From footage taken by the Air Transport Command, scenes from all over the world have been selected to illustrate outstanding geographical elements of land geography, ocean geography, and man-made geographical features.

**GEOGRAPHY OF AUSTRALIA (YA)**

i-j-h 9 minutes B&W: \$2.15  
Describes the physical geography of the country, its natural resources, and the manner in which those resources have been used to develop the nation.

**GEOGRAPHY OF NEW ENGLAND (C)**

i-j-h 10 minutes B&W: \$2.15, Color: \$3.40  
Shows the effects of glaciation on the whole area, the development of specialized industries, the distribution of population, and presents an overview of the economy and culture of the New England states.

**GEOGRAPHY OF SOUTH AMERICA: ARGENTINA, PARAGUAY, URUGUAY (C)**

i-j 11 minutes Color: \$3.60  
The three nations of the Plata-Parana river system are rich in flat and rolling lands suitable for farming and grazing. This film gives us an understanding of the geographic factors influencing the economy and life of Argentina, Paraguay, and Uruguay, and we become acquainted with some of the achievements and problems of these countries.

**GEOGRAPHY OF SOUTH AMERICA: BRAZIL (C)**

i-j 13½ minutes Color: \$4.80  
Brazil is a country of frontier lands and great promise. This film acquaints us with the geographic features of Brazil and shows us their relationship to such important crops as coffee, cotton, and cacao. We see a land of impenetrable jungle, fertile farmlands, gigantic plantations, rich mineral resources, thriving industry, and big cities, including a sequence on beautiful Brasilia, new capital of Brazil.

**GEOGRAPHY OF SOUTH AMERICA: COUNTRIES OF THE ANDES (C)**

i-j 11 minutes Color: \$3.60  
The major topographical regions are described in relation to the resources and cultural developments of these Andean nations. Views of the mountains, the highlands, and the people are seen against an historical and geographical survey of Bolivia, Ecuador, Peru and Chile. In many respects these countries are primitive but they hold the promise of a bright and prosperous future.

**GEOGRAPHY OF SOUTH AMERICA: FIVE NORTHERN COUNTRIES (C)**

i-j 11 minutes B&W: \$2.35  
The economic concepts related to land, climate, and major resources are emphasized in this film on the gateway countries of South America—Colombia, Venezuela, and the three Guianas. Depicts the people, their ways of life, and the many modern developments which industrialization has brought. The type of government of each country is discussed briefly.

**GEOGRAPHY OF SOUTH AMERICA: THE CONTINENT (C)**

i-j 14 minutes Color: \$4.80  
This film acquaints us with the main geographical features of South America: The Andes, the Guiana and Brazilian highlands; and the Orinoco, Amazon, and Plata-Parana river basins. The film shows the relationships of these geographic features to the people and their ways of life, and provides a survey of agriculture, industry, commerce, cities and culture in South America.



**GEOGRAPHY OF THE MIDDLE ATLANTIC STATES (C)**

i-j-h 11 minutes B&W: \$2.15, Color: \$3.40  
 Bustling cities, key industries, vast transportation networks, and a dense population are some of the characteristics of the middle Atlantic states. Carefully selected scenes fully capture the human geography of the complex, dynamic life in this region, which embraces the states of New York, New Jersey, Pennsylvania, Delaware, Maryland, and West Virginia.

**GEOGRAPHY OF THE NORTH CENTRAL STATES (C)**

i-j-h 14 minutes Color: \$4.65  
 The geographical importance of the North Central States as a source of foodstuffs, raw materials, and manufactured goods. Ohio, Michigan, Indiana, Wisconsin, Minnesota, Iowa, Missouri, Kansas, Nebraska, and North and South Dakota are the states presented.

**GEOGRAPHY OF THE PACIFIC STATES (C)**

i-j-h 11 minutes Color: \$3.40  
 Presents the coastal states of Oregon, Washington, and California and their commercial and economical importance.

**GEOGRAPHY OF THE ROCKY MOUNTAIN STATES (C)**

i-j-h 10 minutes B&W: \$2.15, Color: \$3.40  
 The states of Montana, Idaho, Colorado, Wyoming, Utah, and Nevada are shown to provide a geographical understanding of this region. Grazing, irrigation, farming, mining, and lumbering are depicted.

**GEOGRAPHY OF THE SOUTHERN STATES (C)**

i-j-h 10 minutes B&W: \$2.15, Color: \$3.40  
 This film depicts the basic geographic elements of climate and soil as related to human activities of invention, change, new methods and new attitudes in the southern states. Eleven states are covered in the film: Virginia, Kentucky, Tennessee, North and South Carolina, Georgia, Alabama, Florida, Louisiana, Mississippi, and Arkansas.

**GEOGRAPHY OF THE SOUTHWESTERN STATES (C)**

i-j-h 11 minutes B&W: \$2.15, Color: \$3.40  
 Covers the states of Arizona, New Mexico, Texas, and Oklahoma. Stresses relationship between activities of the people and the natural characteristics of the land.

**GEOGRAPHY OF THE UNITED STATES: AN INTRODUCTION (C)**

i-j 13 minutes B&W: \$2.80, Color: \$4.50  
 This comprehensive overview of the geographical and human-use resources of the U.S. stresses the theme of "unity from variety." From the great variety of landforms, resources, climatic regions, crop belts, types of occupations and peoples has come a vigorous and productive country—strong and unified.

**GEOGRAPHY OF YOUR COMMUNITY (C)**

i-j 10 minutes B&W: \$2.15  
 A boy on his way to school discovers many things about his community—the relationship between its industries and geography, its farmlands and residential areas, and its rivers and highways.

**GEOLOGICAL WORK OF ICE (2ND EDITION) (EB)**

j-h-c 11 minutes B&W: \$2.35  
 Reveals the effects of ice on soil and rock as this ice constantly expands, contracts, and moves. Illustrates how glaciers form, move, and alter surrounding terrain features. Animated drawings explain Pleistocene glaciation period.

**GEOMETRY AND YOU (C)**

j-h 10 minutes B&W: \$2.15  
 Students will better appreciate the function of geometry when they see this practical demonstration of its everyday importance. In constructing a model porch with Jim and Bob, they'll use protractor and ruler to apply their study of such figures as rectangles, triangles, and circles, and such principles as congruence, similarity, and symmetry.

**GEOMETRY IN ACTION (LFI)**

h 10 minutes B&W: \$1.90  
 Made in collaboration with David Reichgatt and Lee Spiller, authors of *Today's Geometry*. Considers the questions: Why should I take Geometry? What good will Geometry do me? The following fields are used to show practical everyday applications of geometric forms: transportation, medicine, manufacturing, agriculture, sports, and home economics.

**GEORGES BRAQUE (FIL)**

j-h-c-a 18 minutes B&W: \$4.15  
 Presents the background and early training of the artist Georges Braque, and shows him at work in his Normandy studio. Mr. Braque, one of the world's leading modernists, examines and explains his work.

**GEORGE FREDERICK HANDEL (UW)**

j-h-c-a 11 minutes B&W: \$1.65  
 Depicts Handel's early struggles to practice music against the wishes of his father; the *Hallelujah Chorus* is presented by a boys' choir.

**GEORGE WASHINGTON (EB)**

i-j-h 18 minutes B&W: \$4.15  
 Brings to life the qualities and skills which made Washington a builder of the American nation. Portrays his boyhood and his role in the French and Indian Wars. Illustrates his trials and triumphs as military leader in the American Revolution and as organizer of the movement to frame the Constitution. Reveals his difficulties and successes as first President of the United States.

**GEORGE'S NEW SUIT (WHERE CLOTHING COMES FROM) (C)**

p-i 11 minutes B&W: \$2.15, Color: \$3.40  
 George's curiosity about where his new clothing came from leads to the visualization of many aspects of the manufacture of clothing from raw material to the finished product. Traces some of the processes by which wool, cotton, silk, nylon, leather, and rubber are manufactured into articles of clothing.

**GERMAN LANGUAGE FILM #1 (UWI)**

j-h-c-a 11 minutes B&W: \$2.40  
 All the basic sounds of German are pronounced in simple sentences using present tense. The subject of the dialogue is the arrival in Germany of a friend from America.

**GERMAN LANGUAGE #2 (UWI)**

j-h-c-a 16 minutes B&W: \$3.15  
 All the basic sounds of German are pronounced in simple sentences using various tenses. The subject of the dialogue is a departure for a skiing trip.

**GERMAN LANGUAGE FILM #3 (UWI)**

j-h-c-a 16 minutes B&W: \$3.15  
 The basic sounds of German are pronounced in sentences of different structural types using various tenses. The subject of the dialogue is a picnic some students are planning.

**GERMAN LANGUAGE FILM #4 (UWI)**

j-h-c-a 19 minutes B&W: \$3.15  
 All the basic sounds of German are pronounced in sentences of highly complex structural types. The subject of the dialogue is the building of a new house.

**GERMANY (THIS WORLD OF OURS SERIES) (IFI)**

i-j-h 9 minutes Color: \$2.65  
 Tours Germany from the Rhine, bordered by vineyards and the old castles of the robber barons to Cologne and its cathedral. Also visits Frankfurt-on-the-Main, Bavaria and its folk dancers, the Black Forest, and Berlin, divided east and west, especially portrayed in Potsdammer Platz.

**GERMANY: FEUDAL STATES TO UNIFICATION (C)**

j-h 12 minutes Color: \$4.50  
 After centuries of turbulent history, the loosely associated German states became a unified nation and a major power in Western Europe. The film traces Prussia's growth in strength in the 19th century, shows how other German states were brought under its control and how, following Bismarck's policy of "blood and iron," she waged wars with Denmark, Austria, and France to establish a strong unified German nation.

**GERMANY INVADES AUSTRIA (ICS)**

j-h-c 10 minutes B&W: \$1.65  
 Incidents leading to and accompanying Germany's invasion of Austria. This film requires evaluation for school use to avoid possibility of seeming Nazi propaganda.

**GERMANY: PEOPLE OF THE INDUSTRIAL WEST (EB)**

i-j-h-a 19 minutes Color: \$5.65  
 Selecting characteristic regions and situations, this film tells the story of the people of post-war western Germany, from



the alpine region in the South, with its small farms, craftsmen, and shepherds, to the plains region extending north and west, which includes the Rhineland-Westphalia district, Europe's largest center of heavy industry.

## **GERMANY SURRENDERS (NEWS THRILLS OF 1945, VOL. 4) (OF)**

j-h-e-a 10 minutes B&W: \$1.50

Shows people in Times Square, New York, at the announcement of Germany's surrender, scenes of the signing of the armistice papers, scenes of bombed German cities. Marshall Zukov receives the Nazi surrender in Berlin.

## **GERMANY—THE SOUTHERN UPLANDS (IFB)**

i-j-h-e 18 minutes Color: \$6.55

This is a picture of the new Germany with its new spirit, new buildings, new roads and new pulsating industry. Thriving Germany is seen through the eyes of a German family enjoying a two-week vacation motoring through the Southern Uplands. From Frankfurt, their home, they take a trip down the Rhine, then motor on to beautiful Heidelberg, south to rebuilt Stuttgart, through the Black Forest and finally to Schaffhausen and the Rhinefall. Charming villages, ancient crafts and simple folkways contrast with the modern industrial north.

## **GERMANY TODAY (MOT)**

j-h-e-a 16 minutes B&W: \$4.15

Produced in 1948. Shows the ruins and the headlines, the life of Germany under the military government of General Lucius Clay, the denazification trials and the children of Germany, the hope of democracy in central Europe. In the American zone a free press and radio and a free motion picture screen have begun to be restored. In democratic elections a higher proportion of eligible voters turn out than in the United States. But 300,000 American troops must stand guard against the ever-present threat of a return of Nazi terror.

## **GET GOING (JH)**

j-h-c 7 minutes B&W: \$1.65

Explains inertia and how a force is needed to make a vehicle start. Shows how we can help the moving force by increasing the power or by cutting down weight, as is done on racing cars and motorcycles. Then demonstrates what the sacrifice in weight entails in loss of durability and strength.

## **GETTING A JOB (EB)**

j-h 16 minutes B&W: \$3.65

A high school vocational counselor helps a senior plan the best method of getting a job. The sources of leads to employment, the preparation of a personal history file, and proper conducts during an interview are points discussed in this film.

## **GETTING ACQUAINTED WITH ENGINEERING (ISU)**

h 22 minutes Color: \$2.15

A straightforward approach to the fact that engineering is not for everybody. The film encourages the use of testing and counseling services before starting on a college engineering course. Ends with a direct challenge to the student to further examine his qualifications and the offerings of engineering as a career.

## **GETTING ALONG WITH PARENTS (EB)**

h-a 14 minutes B&W: \$3.35

Deals with the question of mutual respect between teenagers and their parents. The plan of a group of teenagers to visit a night club after the junior prom is opposed by parents for different reasons, disclosing varied family backgrounds, and attitudes. The film points out that both sides have a right to be heard.

## **GETTING THE FACTS (EB)**

h-e-a 11 minutes B&W: \$2.15

Shows how a group of adults gain better understanding of a school problem after gathering the facts concerning the case. Warns against deciding on plans of action in favor of prejudices and gathering only the facts which support preconceived opinions. Portrays newspapers, radio, books, school, television, and the spoken word as sources of facts available to the public.

## **GETTING YOUR MONEY'S WORTH (3 PARTS) (HOP)**

j-h-e-a 10 minutes each B&W: \$2.65 each

No. 1: The wearing qualities and standards of measurement of shoes are tested for best values. Toys are shown that measure up to quality and safety standards. Milk tests are made for purity and butterfat content.

No. 2: Consumer testing of razor blades to find the blades that will "shave off a maximum of hair with minimum of skin" at low cost. Face powder and face cream are tested for purity and value.

No. 3: What to look for in buying a used car, the methods of unethical dealers, and some simple tests for prospective buyers are shown. Approved by the Automobile Association of America.

## **GETTING YOURSELF ACROSS (McGH)**

h-e-a 21 minutes B&W: \$3.40

How a speaker's interest, preparation, sincerity, vitality, and confidence bring about successful communication.

## **GEYSERS AND HOT SPRINGS (AB)**

general 10 minutes Color: \$3.40

Explains the action of geysers and hot springs as a part of the dynamic process of volcanism. Factors essential to the eruption of a geyser and steps in the eruptive process are explained by animated charts and scenes of geysers in all stages of activity.

## **GHOSTS OF THE GOLDEN WEST (OF)**

i-j-h-e-a 10 minutes B&W: \$1.70

Gives closeups of scorpions, spiders, chipmunks, and other desert animals which struggle, fight and kill much as did the former inhabitants of the ghost towns.

## **GIANT KILLER, THE (UW)**

p-j-j 8 minutes B&W: \$1.65

Woody Woodpecker climbs a beanstalk, subdues the giant, and takes over the castle for a hotel.

## **GIANT OF THE NORTH (AS)**

general 20 minutes Color: \$2.15

Depicts the natural beauty, resources, and life of the people of Alaska, particularly of the Point Hope Eskimos. Includes pictures of jet air bases there.

## **GIANT PEOPLE (WATUSSI OF AFRICA) (EB)**

i-j-h-a 10 minutes B&W: \$2.15

Reveals activities, customs, and traditions of the Watussi, an African people characterized by their advanced native culture. Shows the ruling prince and royal family, and activities in the royal household including weaving, decorating, cooking, and churning. Pictures the prince inspecting his cattle, leading a hunt and watching a ceremonial dance.

## **GIANTS OF THE JUNGLE (TFC)**

i-j-h 8 minutes B&W: \$1.65

The scene is Assam, India. Shows some of the training elephants get before they become beasts of burden. These big animals march over difficult terrain, batter down jungle thickets and trees, lift, haul, and carry stones and logs, and move massive boulders. At the end of the day's work their hides are scrubbed with pumice to remove the ticks that burrow there. The picture closes with a scene showing elephants, richly adorned, carrying members of royalty in a maharajah's procession. *Restricted to Classroom Use.*

## **GIFT OF THE GLACIERS (NFBC)**

general 20 minutes Color: \$2.15

Portrays the scenic grandeur of the Canadian Rockies. Depicts the glaciers giving birth to the trickling rivulets, the lacy waterfalls, the jewel-like lakes, and the mighty rivers. The film takes us through Banff National Park, Jasper National Park, and Waterton International Peace Park where close-ups of wild animals are seen.

## **GIFT OF TS'AI LUN—PAPER (HAM)**

i-j-h-e 32 minutes B&W: \$2.15

Scenes of how Ts'ai Lun invented the art of papernaking at the turn of the first century in China are shown. The manufacturing process involved in making paper by machine is then followed from cutting and logging of spruce trees in Canada and Minnesota, through the shipping process, to washing and chipping of the logs at the mill. Cooking, washing, beating of the pulp, sizing, dyeing and finishing processes all pass before the camera.

## **GIFTED ONES, THE (NFBC)**

e-a 22 minutes B&W: \$4.90

The gifted child, whose advanced mind distinguishes him from others of his age, is being recognized as a most valuable asset to society. Opinions differ about his education. This film



presents the views of two prominent Canadian educators who discuss the challenge that such children present to society. It takes the audience into the classroom to observe gifted children in their regular school activities.

### **GIRLS BASKETBALL FOR BEGINNERS (BFS)**

j-h 18 minutes B&W: \$3.90

Thirteen- to fifteen-year-old girls in actual game situations illustrate the basic skills and rules of basketball. The number and positions of the players, the rules, scoring, fouls, free shots, kinds of passes, dribbling, and types of basket shooting are all included.

### **GIRLS IN WHITE (McGH)**

h-c-a 18 minutes B&W: \$3.75

Through the story of one girl, the film shows the training one receives for the nursing profession including basic training, clinical work, and surgery assistant.

### **GIRLS, LET'S LEARN SOFTBALL (UW)**

j-h-c 20 minutes B&W: \$4.10

Mimetic instruction, or the technique of encouraging imitation for better form and greater skill as shown in this film is an entirely new kind of instruction. A unique film in that it is addressed to teachers as well as to students. This is softball instruction at its best.

### **GIVE ME LIBERTY (TFC)**

j-h 20 minutes Color: \$4.65

The scene is Virginia, 1765. Patrick Henry is reluctant to speak at a protest meeting held by patriots at St. John's Church in Richmond. But when a loyalist talks against war with England, Henry delivers his "Give Me Liberty or Give Me Death" speech. *Restricted to Classroom Use.*

### **GIVING A SHOP DEMONSTRATION (CAA)**

h-c-a 18 minutes B&W: \$2.15

Shows a shop teacher preparing and conducting a shop demonstration on forming a flanged tray with shrinking mallet and bending blocks.

### **GIVING THE RORSCHACH TEST: KLOPFER METHOD (PSU)**

c-a 11 minutes Color: \$3.40

The Rorschach ink-blot psychological test is explained briefly. A sample interview between a subject and an examiner is shown. Color sequences display Rorschach cards in their true forms, and superimposed drawings show what the subject sees in the cards. A summary with review questions concludes the presentation.

### **GLACIER NATIONAL PARK (UW)**

j-h-c-a 9 minutes B&W: \$1.70

Pictures the wilderness of trail and trout stream, the perpetual ice fields, the cloud-piercing mountains and the big game sanctuaries of this park.

### **GLACIER PARK AND THE CANADIAN ROCKIES (PHP)**

j-h-c-a 22 minutes Color: \$5.90

Pictures the scenic wonders and wild life of Glacier National Park, Lake MacDonald, Waterton Lakes Park, Banff and Lake Louise. Includes a sequence on the Blackfoot Indians.

### **GLACIER PARK STUDIES (2ND EDITION) (BFS)**

general 11 minutes Color: \$3.60

Serves as a field trip to introduce students to the history, geology, and outstanding life forms of the park. Shows mountain structures, glaciers, lake formation, wild animals and unusual flowers. Animation is used to show the effect that glaciers had in creating present day geological formations.

### **GLACIERS (PRIMARY GEOGRAPHY SERIES) (GA)**

p-i 10 minutes B&W: \$2.15

Susan takes a pretended air trip to the Arctic and to Greenland in order to study glaciers. She learns how they are formed, how they change the land, and how they affect the weather.

### **GLACIERS (NOR)**

j-h-c-a 15 minutes Color: \$4.80

This film contains live action scenes of how glaciers are formed from snowfall. The film shows the work of glaciers on the land and on the mountain areas of Alaska, Canada, and northern United States. Examples of slit formation, eskers, nunataks, moraines, and glacier lakes are shown in the film with illustrations of a glaciers record left in the wake of the ice flow.

### **GLAMOUR STREET (McGH)**

j-h-c-a 16 minutes B&W: \$3.65

Fifth Avenue, New York City, is seen from the beginning of Greenwich Village to Spanish Harlem. Landmarks, including the Empire State Building and Rockefeller Center, are pointed out in close-up photography.

### **GLASS—FROM THE OLD TO THE NEW THROUGH RESEARCH (EB)**

j-h 20 minutes B&W: \$4.15

Unfolds the story of progress in glass and explains how glass contributes to a high standard of living. Identifies major types of glass by providing exciting colorful scenes filmed in glass factories. Shows the specialized departments that direct modern industries such as glass and emphasizes the important role of research in industry.

### **GLEN WAKES UP (McGH)**

i-j 10 minutes B&W: \$2.15

Glen, a young boy who begins to feel that everyone has turned against him, is visited by Mr. X. He then discovers that life holds more pleasure and satisfaction when he shoulders his share of responsibilities.

### **GLIMPSE OF THE PAST, A (IU)**

i-j 9 minutes Color: \$3.40

Presents phases of prehistoric American Indian life as revealed by archaeologists who study the features of early village sites and the materials obtained from exploring them.

### **GLOBAL CONCEPTS IN MAPS (C)**

j-h 11 minutes Color: \$3.40

Through a student's investigation of maps, audiences will get a clear understanding of globe representations. Shows how these projections have been designed and improved to meet different uses in the changing world. A simple demonstration of the great circle routes on a polar projection introduces cylindrical, conic and perspective projections with a summary of the practical applications of each.

### **GLOBES: THEIR FUNCTION IN THE CLASSROOM (BFS)**

c-a 14 minutes Color: \$5.00

There are many different kinds of globes for different purposes. Children can learn from readiness globes that the earth is round, that water and land areas are different in sizes and shapes. As students learn more, they can advance to globes which gradually present more detailed information. First the surface features of the earth are emphasized by means of shading and color symbols. Later, names and boundaries are included. Flat maps should be correlated with appropriate globes for the best effect.

### **GOAT DAIRY FARM (F)**

i-j-h 18 minutes Color: \$5.15

Includes several types of goat dairies and shows the importance today of these animals. At the Carr's dairy in the state of Washington the Carr children help in training and caring for the goats.

### **GODDESS OF MERCHANTS (BIS)**

h-c-a 20 minutes B&W: \$3.15

A history of the British wool trade, from medieval times to the present day. The revenue from the export of wool was the foundation of England's early prosperity. The rich merchants built many of England's famous churches and the wool tax formed a dependable income for successive governments. The film portrays the transformation from handicraft to modern mass-production, notably in the machine smashing riots of the workers.

### **GOD'S WONDERS IN YOUR OWN BACKYARD (CCP)**

i-j 10 minutes Color: \$3.40

A little girl and boy play in their backyard and discover a cautious worm, a wonderful snail, a mysterious spider, and a wriggling centipede. A narrator explains how even these small creatures help the marvelous work of nature.

### **GOING STEADY? (C)**

j-h-a 11 minutes B&W: \$2.15

Steady dating is a normal step in the progress toward engagement and marriage and should be understood as such. However, it often brings problems and disadvantages. This film raises the whole question of going steady in an objective setting that will encourage discussion and understanding through the valuable exchange of ideas.



**GOING TO BLAZES (TFC)**

**h-c-a** 22 minutes **B&W: \$3.15**  
 Tells of the work of the fire department in a large city; how an alarm is turned in and what happens in the fire department. Explains that the way to fight fires is to prevent them by safety checks. Illustrates many home fire hazards. Jobs, homes, lives—all are going to blazes, and a fire costs everybody. *Restricted to Classroom Use.*

**GOLD AND GOLD MINING (BFS)**

**i** 17 minutes **B&W: \$3.15**  
 Studies gold mining methods in use today, particularly in Northern California.

**GOLD RUSH BOY (CW)**

**i-j** 16 minutes **B&W: \$3.65**  
 A day in the life of a young boy in the days of the "Gold Rush" re-creates mining camp life. Filmed principally on location in the "mother lode" country.

**GOLD RUSH DAYS (C)**

**i-j** 14 minutes **Color: \$4.15**  
 David Whitcomb travels overland from Vermont to take part in these exciting adventures. The hardships in transportation in 1849—by rail, stagecoach, and wagon train—are a prelude to seeing life in a gold mining settlement, the effect of the gold rush on population growth and prosperity in the West, and emerging statehood of California.

**GOLD RUSH MICKEY (BRF)**

**general** 5 minutes **B&W: \$1.65**  
 Mickey, a piano player in the Klondike, finds Minnie. Pierre, a trapper, kidnaps her, but Mickey chases him and the battle ensues. Pluto smashes the cabin with a huge snowball and Mickey and Minnie are saved.

**GOLDEN AGE, THE (NFBC)**

**c-a** 28 minutes **B&W: \$5.65**  
 Must retirement at sixty-five mean the end of the road for older people or can it become "the last of life for which the first was made?" This film examines the question from the point of view of three men, each with a different approach to the "golden age."

**GOLDEN AXE (EB)**

**p-i** 8 minutes **B&W: \$2.15**  
 Adapted from Aesop, this film emphasizes that honesty is the best policy. A woodsman loses his rusty axe. He refuses to accept a silver and golden one from a strange little man until he is assured that he is welcome to it. Great joy comes to him, but when his greedy neighbor tries to fall into the same good luck, unhappiness results.

**GOLDEN FLEECE, THE (ANIB)**

**j-h-c-a** 9 minutes **B&W: \$1.65**  
 Sheep raising in Australia is given a comprehensive survey. A brief explanation of the efforts in sheep breeding is given, and a fine Marino is shown as a typical example of the result of correct breeding. There are scenes of the flocks as they graze, and of the sheep being dipped and receiving medicine by spray gun. The work in a typical shearing shed is explained, and the fleeces are shown being rolled and sorted, classified, and finally baled and weighed. Film ends with scenes in a typical market, including the display room, the auctioneer's appraisal, and an interesting recording of a sale in the auction room.

**GOLDEN HARVEST (GLSC)**

**j-h-c-a** 17 minutes **Color: \$2.15**  
 Farmers receive worthwhile benefits by storing one year's crop or more of small grain on the farm. A suggestion is made that a prefabricated steel building is the best means of meeting this national farm need because it helps the farmer to make more money.

**GOLDEN RULE: A LESSON FOR BEGINNERS (C)**

**p-i** 10 minutes **B&W: \$2.15**  
 Children should understand the "Golden Rule." This interpretation presented especially for children helps them learn the meaning of the standard.

**GOLDEN TWENTIES, THE (MOT)**

**j-h-c-a** 68 minutes **B&W: \$14.15**  
 The fabulous "jazz age"—the age of the "lost generation," repeated from newsreel shots of the time and narrated by Red

Barber, Elmer Davis, Robert Q. Lewis, and Frederick Lewis Taylor. The fields of politics, sports, business, entertainment, and just plain living are treated with vivid realism. President Harding, Red Grange, Bobby Jones, Rudolph Valentino, and Sinclair Lewis are a few of the many famous personalities seen.

**GOLDEN WEST (OF)**

**i-j-h** 9 minutes **B&W: \$1.70**  
 The development of the American West from the first mining prospectors to the modern mining methods of today is shown. Explains the life of the Navajo Indians and their part in the modern West.

**GOLDFINCH FAMILY (EB)**

**p-i** 8 minutes **Color: \$2.90**  
 Film provides a complete view of the family life of goldfinches—their eating habits, their special way of building a nest, and the ways the parent goldfinches work together to feed and care for their young. The day-by-day growth of the young goldfinches is traced from the time of hatching until they are able to leave the nest and care for themselves.

**GOLDILOCKS AND THE THREE BEARS (C)**

**p-i** 11 minutes **Color: \$3.40**  
 A girl and three real bears re-enact this fairy tale. It suggests to the student to draw pictures of the story or read other stories.

**GOLF MISTAKES (TFC)**

**h-c-a** 11 minutes **B&W: \$1.65**  
 Horton Smith, Lawson Little, Harry Cooper, and Jimmy Thompson demonstrate good and bad golf techniques. *Restricted to classroom use.*

**GOOD ALFALFA REQUIRES GOOD FERTILITY (API)**

**j-h-c-a** 10 minutes **Color: N.C.**  
 An excerpt from the film "Growing Alfalfa Successfully." Scenes of various test plots clearly illustrate that successful crops of alfalfa depend upon proper soil fertility. Explains that the most needed soil additives are potash, phosphorus, and boron.

**GOOD EARTH, THE (TFC)**

**j-h-c-a** 40 minutes **B&W: \$8.00**  
 Pearl Buck's excellent novel of Chinese life with a high caliber Hollywood cast. Paul Muni has a starring role in this excerpt from the feature-length dramatization. *Restricted to Classroom Use.*

**GOOD EARTH, THE (FAMINE SEQUENCE) (TFC)**

**j-h-c-a** 13 minutes **B&W: \$3.15**  
 Deals with the ravages of famine in a Chinese village and the struggle for survival. *Restricted to Classroom Use.*

**GOOD EATING HABITS (C)**

**p-i** 11 minutes **B&W: \$2.15**  
 When youngsters see how Bill becomes ill because of his improper eating habits, they're sure to take a new interest in the proper way to eat. They'll see how important it is to eat slowly, chew foods thoroughly, avoid excessive sweet foods—especially between meals—and why they should eat what is served to them at mealtime.

**GOOD EGG (USDA)**

**j-h-c-a** 7 minutes **B&W: \$1.65**  
 Presents attractive ways of preparing eggs. Animation and live action shows the nutritive value of eggs, basic egg dishes, and how to combine eggs with other foods.

**GOOD EGG, THE (KS)**

**h-c-a** 15 minutes **Color: \$4.00**  
 An informative film that deals primarily with the use of eggs by the homemaker. Shows how high quality is maintained through marketing channels to the consumer. This film would be of value on a Home Bureau program, and for 4-H and Future Homemaker groups.

**GOOD GROOMING FOR GIRLS (C)**

**j-h** 10 minutes **Color: \$3.40**  
 Anne spends an evening with Rosemary and learns that the secret of achieving an attractive appearance is the result of a carefully followed routine of good grooming: a well-planned wardrobe, attention to hair, nails, teeth, cleanliness, posture, proper diet, and rest.



**GOOD GROOMING FOR GIRLS: HAIR CARE (IFB)**

j-h 14 minutes Color: \$4.70

The way to care for healthy hair—to bring out its lustrous, natural beauty—and to arrange it in a way that frames the face flatteringly are the subjects of this film. Close-ups of teen-age models make hair care techniques easy to understand and apply.

**GOOD GROOMING FOR GIRLS: MAKE-UP (IFB)**

j-h 11 minutes Color: \$3.70

The steps in care of the complexion and application of make-up are depicted and discussed: proper soap and water cleansing, application of powder, use of lipstick brush and shaping of the lips, and eye make-up to achieve a natural effect. The result—demonstrated by three pretty teen-age models—is an appearance of healthy, happy, and natural good looks.

**GOOD GROOMING FOR GIRLS: POSTURE (IFB)**

j-h 9 minutes Color: \$3.40

Demonstrating the need for good posture as an essential attribute of an attractive appearance, this film reminds us that if a girl stands well, she will actually be healthier, because good circulation and healthy nerves are related to proper posture. Models demonstrate correct and incorrect posture. Examples of good carriage are shown.

**GOOD GROOMING FOR GIRLS: WARDROBE (IFB)**

j-h 14 minutes Color: \$4.70

Shows how to use care and intelligence in choosing garments and accessories for school and social occasions. Propriety of dress to occasion, suitability of accessories, neatness of shoes and stockings, camouflaging overweight and underweight tendencies and other physical conditions by style selection, seasonal suitability, importance of posture—these are among the things illustrated in this film.

**GOOD HEALTH HABITS #1 (JOHNNY AND MR. DO-RIGHT SERIES) (COF)**

p-i 7 minutes B&amp;W: \$1.65

With the help of his dog, Mr. Do-Right, Johnny quickly learns health through cleanliness.

**GOOD HEALTH PRACTICES: PART I (AVF)**

p-i 9 minutes Color: \$3.40

Illustrates good health habits for children and explains why they are necessary. Covers eating, toilet, cleanliness, rest, and sleep.

**GOOD HEALTH PRACTICES: PART II (AVF)**

p-i 10 minutes Color: \$3.40

Emphasizes good health habits for children. Covers teeth, eyes, ears, nose, and posture.

**GOOD NEIGHBOR FAMILY (UW)**

j-h-c-a 18 minutes B&amp;W: \$2.65

Family life and customs of Latin America are contrasted to those of the United States.

**GOOD NEIGHBORS (TFC)**

h-c-a 10 minutes B&amp;W: \$1.65

A travelogue of Lima, Peru, and Rio de Janeiro, Brazil, showing the wealth of these beautiful cities, and then to Buenos Aires whose architectural magnificence is depicted. Contrasting with these are scenes of primitive harvesting and threshing in the pampas country. *Restricted to classroom use.*

**GOOD PLACE TO WORK (NAM)**

j-h-c-a 15 minutes B&amp;W: \$2.85

Industry has made working conditions better and factory employment more attractive. This film intends to counteract the tendency for high school students to prefer "white collar" jobs regardless of their own natural skills and interests.

**GOOD SAMARITAN (BFC)**

p-i 14 minutes B&amp;W: \$3.65

The parable of Jesus, enacted by puppets designed by Mabel Beaton.

**GOOD SPEECH FOR GARY (McGH)**

c-a 20 minutes B&amp;W: \$4.15

The story of a second grade boy who has been helped to overcome his stuttering by the cooperation of teachers, parents, and classmates. Effective techniques and various teaching aids for correcting speech defects are used such as flannelboard, radio, puppets, choral speaking, social-drama, etc.

**GOOD SPORTSMANSHIP (C)**

i-j 10 minutes B&amp;W: \$2.15

What is good sportsmanship? Through lively story situations, the audience sees examples of good sportsmanship in action. Importance of sportsmanship in all phases of daily living is emphasized.

**GOOD TABLE MANNERS (C)**

i-j-h 10 minutes B&amp;W: \$2.15

Good table manners depend partly upon attitude. Shows that table manners are matters of courtesy, consideration for others, and common sense. Through an unusual dramatic device, in which a 14-year-old boy is brought face-to-face with himself as a young man of 21, audiences will see that they soon will enter an adult world in which they will be constantly concerned with making a good impression.

**GOODBYE FLY (ISU)**

h-c-a 12 minutes Color: \$3.40

Portrays the fly menace and outlines simple but effective methods of control on the farm and in the city, in breeding and feeding places. New chemicals and treatments are described.

**GOODBYE, MR. GERM (NTB)**

j-h-c-a 15 minutes B&amp;W: \$2.65

Presents basic facts about tuberculosis largely by means of animated cartoons. The germ "Tee Bee" tells the story of his life, while the doctor tells the germ of the modern way of fighting tuberculosis.

**GOODBYE, MR. MOTH (UW)**

p-i 10 minutes B&amp;W: \$1.70

Andy, in the cleaning and pressing business, is raided by moths. One impish moth eats everything except a skunk coat. Andy tries to smash him and has a wild time. He thinks he has ended Mr. Moth but has the words, "The End" eaten into his own hide.

**GOODBYE WEEDS (JF)**

j-h-c-a 18 minutes Color: \$2.15

Ken Carpenter, the narrator, tells the story of one of our generation's greatest scientific developments—2,4-D. Kills lawn weeds without harming common lawn grass.

**GOOSE FLIES HIGH (UW)**

p-i 6 minutes B&amp;W: \$1.70

A villainous wolf and dog scheme to eat Gandy's sheep. However, all their traps backfire. Finally, they try a bomb and the great explosion sends them skyward.

**GOSSIP (SD)**

j-h-c-a 10 minutes B&amp;W: \$2.15

The harmful effect of gossip is shown in the case of a high school girl whose reputation is ruined by the spreading of a story which was made up by one boy. Timely action by the principal of the school succeeds in "stamping out" gossip.

**GOVERNMENT IS YOUR BUSINESS (CH)**

j-h-c-a 29 minutes B&amp;W: \$3.65

A dramatized story of a young man who dared everything to show that corrupt government is due more to the weakness of good people than to the strength of evil-doers.

**GRACIAS AMIGOS (OIAA)**

h-c 17 minutes B&amp;W: \$2.15

Southern Republics contributed to winning World War II. They furnished raw materials when other sources were cut off. Some materials they contributed were rubber, nitrates, quartz, sisal, tin, and manganese.

**GRAMMAR: VERBS AND WAYS WE USE THEM (C)**

j-h 11 minutes B&amp;W: \$2.25

Helps develop a basic vocabulary for dealing with verbs. Explores the many kinds of verbs and their proper uses.

**GRAND CANYON (UW)**

i-j-h-c-a 10 minutes B&amp;W: \$1.70

The outstanding marvel of scenic America is never an old story. The camera roams the rim and valleys of this gigantic chasm ever seeing new and astonishing vistas in a constantly changing pattern. The charm of western songs by a great cowboy quartet add to the collection of scenic gems.



**GRAND CANYON (THIS LAND OF OURS SERIES) (IFI)**

i-j-h 17 minutes Color: \$4.15  
Covers the geological and scenic highlights of the Grand Canyon. Pictures the Havasupai Indians as they go about daily tasks.

**GRAND CANYON SUITE (INTERLOCHEN) (CFS)**

general 25 minutes Color: \$6.65  
Views of the Grand Canyon and the Painted Desert are presented in conjunction with Grofé's *Grand Canyon Suite*, played by the 240-piece National High School Orchestra.

**GRAND CANYON (WDP)**

i-j-h 29 minutes Color: \$9.90  
A vivid musical and pictorial interpretation of Ferde Grofé's "Grand Canyon Suite" with no narration. The camera shows the magnificent grandeur of the Grand Canyon beginning with the sunrise and ending with the beauty of a desert sunset.

**GRANDMA MOSES (AFF)**

j-h-c-a 22 minutes Color: \$6.65  
Scenes of the life and works of Grandma Moses, American primitive painter, who reached the age of 90 in 1950. She is shown in her simple, busy life on a farm in upstate New York where she paints, prepares her own painting boards, and observes the landscape through the changing seasons.

**GRANT AND LEE AT APPOMATTOX (YOU ARE THERE) (CBS)**

j-h-c-a 28 minutes B&W: \$5.65  
The terrible struggles of the Civil War came to an end as the formal terms of surrender are discussed by Grant and Lee at Appomattox Court House, Virginia, on April 9, 1865.

**GRAPHING LINEAR EQUATIONS (C)**

j-h 11 minutes B&W: \$2.35  
This film introduces the concept of mathematical line graphs, working with simple linear equations. The film shows, in step-by-step detail, how line graphs are constructed and how these graphs represent the relationships between variables. The film also shows how the values of constant terms and varying coefficients affect graphs.

**GRASS AND CATTLE (UW)**

i-j-h-c-a 15 minutes Color: \$4.45  
Shows how the Forest Service is developing the range resources of the National Forests for maximum permanent production and use in the interest of a stable, prosperous livestock industry, with full protection of the watershed and other values and services in the public interest. The setting is in a typical western cow camp of working cowboys—where their range philosophy and songs are presented.

**GRASS-BLADE JUNGLE (BFS)**

i-j 11 minutes Color: \$3.80  
Every back yard and vacant lot is a grass-blade jungle teeming with small animals that have special functions, characteristics, and relationships to each other. Most of these animals belong to the arthropoda division of the animal kingdom, which includes insects, crustaceans, diplopods, chilopods, and arachnids. The film explains the differences between these classifications. Extreme close-ups of many kinds of insects and spiders, sowbugs, and the milipede and centipede, reveal their particular habits.

**GRASS DOWNFIELD WATERWAYS (NU)**

h-c-a 9 minutes B&W: \$1.70  
Shows the techniques of establishing sodded waterways in the fields. Though produced in Nebraska, the film explains principles which can be applied anywhere. Shows how the waterway fits in with a system of terraces, and briefly touches on the maintenance of waterways.

**GRASSHOPPER—A TYPICAL INSECT (C)**

i-j-h-c 6 minutes Color: \$2.40  
The grasshopper's body structure is shown as exemplifying the basic characteristics that identify insects, and its life cycle is studied as typical of those insects which go through a process of incomplete metamorphosis. The need for controlling the grasshopper's destructiveness is also shown.

**GRASSHOPPERS CAN BE CONTROLLED (USDA)**

c-a 22 minutes Color: \$2.15  
One of the farmer's greatest enemies, the grasshopper, is effectively controlled through individual and community cooperation in spraying infested areas. Shows the conditions grasshoppers thrive upon for egg-laying and reproduction.

**GRASSLAND (UW)**

j-h-c 10 minutes B&W: \$1.65  
Deals with soil conservation on the grazing lands of the arid Southwest. How to prevent overgrazing, and restore areas of desolation to productivity is the problem presented in this film. Interesting photography of sheep and cattle on the range.

**GRASSLANDS FARMING (McGH)**

h-c-a 14 minutes B&W: \$3.65  
Shows the planting, storage, and manner of feeding beef-cattle with grass grown on marginal land.

**GRAVITY (C)**

i-j 10 minutes B&W: \$2.15  
This common, but important, subject is clearly presented through a variety of everyday examples. Students are made aware of the force of gravity, and are helped to understand its principles. Major effects of gravity on our solar system, tides, and on the effect of distance on gravitational pull are demonstrated and explained.

**GRAVITY: HOW IT AFFECTS US (EB)**

i-j 14 minutes B&W: \$3.15  
Illustrates gravity's importance by showing some of the things that gravity does; its action upon our daily activities, its effects on our earth in the universe, and how it would affect a human being on an imaginary trip through outer space. Several film sequences are devoted to the gravitational studies and experiments of Galileo Galilei and Sir Isaac Newton.

**GRAVITY, THE MIGHTY PULL (UW)**

p-i 14 minutes Color: \$4.70  
This film explains gravity and how it affects our lives. It includes experiments on weightlessness that will be encountered by astronauts.

**GRAY GULL, THE HUNTER (EB)**

i-j-h-c 19 minutes B&W: \$4.15  
The story of the struggle for existence among the bird life on a rocky Swedish island, with the gray gull in the role of the marauder. Other sea birds—the murre, the ring plover, the merganser duck, the arctic tern, and the sea mew—live in fear of the robber gull.

**GRAY SQUIRREL (2ND EDITION) (EB)**

p-i 11 minutes B&W: \$2.35, Color: \$3.80  
One spring morning, Mrs. Gray Squirrel is seen scampering to her home in an old oak tree. Here she nurses her three babies, one week old. Three weeks later, the little squirrels learn to play and climb. In another month, they climb about more easily and do acrobatics. At six months the squirrels crack and eat acorns. Concludes with a winter sequence in which one of the squirrels engages in a thrilling race with a red fox.

**GREAT BALLERINA (BRF)**

h-c-a 6 minutes B&W: \$1.65  
Features the great Russian ballerina, Galina Ulanova, in a portion of Tchaikowsky's "Swan Lake Ballet."

**GREAT COMSTOCK SILVER STRIKE, THE (YOU ARE THERE) (CBS)**

j-h-c-a 28 minutes B&W: \$5.65  
A great boost in the American economy was accomplished with the Comstock Silver strike, the world's richest silver strike. In Virginia City, Nevada, on October 29, 1873, this strike was to affect the whole world and the value of silver on the market.

**GREAT DIAMOND FRAUD, THE (YOU ARE THERE) (CBS)**

j-h-c-a 27 minutes B&W: \$5.85  
November, 1872, rumors are flying about the discovery of a fantastic field of diamonds and other precious gems somewhere in America's West. On November 10, 1872, responsible businessmen learn that the entire claim is a gigantic fraud and that their investment of two million dollars is lost, closing an interesting chapter in the life and times of America in the late-1800's.



**GREAT EXPECTATIONS (TFC)**

j-h-c-a 44 minutes B&amp;W: \$6.65

Short version of the feature film by the same name, based on the novel by Charles Dickens, stars Henry Hull as Magwitch. *Restricted to Classroom Use.*

**GREAT HEART, THE (TFC)**

h-c-a 11 minutes B&amp;W: \$1.65

Tells the story of Father Damien, the Belgian priest at the leper colony of Molokai. Shows how his accomplishments on the island have influenced the treatment and care of lepers. *Restricted to classroom use.*

**GREAT LAKES (McGH)**

j-h-a 18 minutes B&amp;W: \$3.85

Surveys shipping on the Great Lakes; discusses cargoes, navigation, and safety measures; and shows how inland industries have been made possible by this waterway.

**GREAT LAKES, THE: HIGHWAY OF COMMERCE (EB)**

i-j-h 21 minutes Color: \$6.15

Depicts the importance of the Great Lakes in the early settlement of America and in the industrial development of regions adjacent to them. Illustrates the role of the Great Lakes in transporting lumber, wheat, coal, and iron ore, and shows typical freight-carrying lake vessels.

**GREAT LAKES, THE: HOW THEY WERE FORMED (EB)**

i-j-h 11 minutes Color: \$3.40

Animated drawings and live action photography depict the work of glaciers in forming the Great Lakes. Defines present-day drainage of the Lakes and illustrates topographical changes which are occurring at the present time.

**GREAT LAKES, THE: THEIR LINK WITH OCEAN SHIPPING (EB)**

i-j-h 11 minutes Color: \$3.40

Describes the importance of the Great Lakes as a water route. Depicts Niagara Falls and the rapids and islands of the St. Lawrence River as natural barriers affecting shipping between the Lakes and the Atlantic. Shows the Welland and St. Lawrence River Canals in operation and explains how they have helped overcome these barriers.

**GREAT MAGICIAN (UW)**

p-i 5 minutes Color: \$1.75

"The Great Who Dood It" pulls a rabbit out of a hat, saws people in half and crosses Buzz Buzzard up on the Giant Dipper roller coaster in the wackiest succession of laugh-making tricks ever seen.

**GREAT STORY OF CORN (UI)**

h-c-a 40 minutes Color: N.C.

Depicts the history of corn growing from pre-historical times down to the newest techniques of cultivation and hybridization.

**GREAT WALTZ (TFC)**

j-h-c 19 minutes B&amp;W: \$3.65

Robert Walker and Paul Henreid star in this excerpt from an MGM feature release on the life of Johann Strauss. *The Beautiful Blue Danube*, selections from "Die Fledermaus," and *Tales of the Vienna Woods* are presented in their full symphonic score. *Restricted to classroom use.*

**GREAT WHITE TRACKWAY (HAM)**

h-c-a 28 minutes Color: \$2.15

Presents the idea that American business runs on tracks of printed paper. Shows how writing and business papers are manufactured by the Hammermill Paper Company.

**GREAT WINDS: PART I (GENERAL CIRCULATION) (UW)**

i-j-h 11 minutes B&amp;W: \$2.15

Locates principal pressure areas as affected by the position of the overhead noonday sun: at the Equator; at the Poles; at the subtropical regions; at belts between the Poles and subtropics. The flow of air from high to low pressure areas is shown to establish the general circulation. The globe is rotated to illustrate deflection of winds and to indicate the paths of trade winds and westerlies.

**GREAT WINDS: PART II (DISTRIBUTION OF PRESSURE AND WINDS) (UW)**

i-j-h 11 minutes B&amp;W: \$2.15

Reviews principles of circulation of air including influences of land and sea areas and seasonal changes that affect distribution of pressure and winds.

**GREATEST GIFT, THE (TFC)**

general 10 minutes B&amp;W: \$1.65

Tells Victor Hugo's story of Bartolome, a juggler in medieval France who is too poor to present a gift to the Blessed Virgin. However, as an act of veneration, he juggles his clubs before Her statue in the cathedral and receives Her blessing as recognition of his sincere desire to contribute. An Easter film. *Restricted to Classroom Use.*

**GREECE (MOT)**

j-h-c 17 minutes B&amp;W: \$2.65

Shows Greece's heroic struggles both during and since the war. Efforts for the re-establishment of economic and political order are considered.

**GREECE (THIS WORLD OF OURS SERIES) (IFI)**

i-j-h 9 minutes Color: \$2.65

Mediterranean Greece is analyzed from its life and work as a European nation. Central cities, such as Athens, are pictured in excellent color.

**GREECE: THE LAND AND THE PEOPLE (C)**

i-j 11 minutes Color: \$3.60

Photographed in Greece, the film relates the important geographical features of that country to social and economic conditions. Reviewing some of the historic problems resulting from poor land, it is basically a picture of Greece today, depicting the country, the people, and the progress being made in conservation, agriculture, transportation and industry.

**GREEK CHILDREN (EB)**

i-j 18 minutes B&amp;W: \$3.65

Daily activities of a boy and girl in a fishing village of southern Greece. Chores of the girl and other womenfolk are featured plus the boy's friendship with the village shepherd, who teaches him to play the flute. The boy and his father go to Athens in a fishing boat and see the sights there.

**GREEN DOLLARS (UI)**

c-a 35 minutes Color: N.C.

Shows value of a legume-grass program for Illinois farmers. Tells benefits of legumes for soil building, by turning them under for green manure, for erosion control, and for pasture. Methods of pasture renovation are shown; namely, getting rid of old sod, applying proper fertilizers, preparation of seed bed, and seeding. Uses of various types of legumes and grasses are also shown.

**GREEN GOLD (RS)**

j-h-a 30 minutes Color: \$2.15

Dramatized incidents portray a young boy's efforts to convince his father that their property could be improved by systematic grassland farming, and the need for proper seeding and rotation of grass crops.

**GREEN PLANT, THE (EB) (SILENT)**

j-h 15 minutes B&amp;W: \$1.65

Shows that living things are dependent for food upon the green plant. The latter's processes of food-making and growing are diagrammed.

**GREEN VAGABONDS (AL)**

j-h-a 11 minutes B&amp;W: \$2.15

Seed dispersal is shown as being a result of wind, rain, insects, and birds. Seeds are dispersed from the parent plant and take root to begin another plant cycle.

**GREENLAND'S NEW LIFE (AB)**

i-j 10 minutes Color: \$3.60

Most of Greenland lies within the Arctic Circle, and 85% of this largest island in the world is covered by a great icecap. The narrow fringe of land between the ice and the sea is dominated by steep granite mountains. This film will give an understanding of the physical geography of Greenland and its effect on man's use of this island. It also shows how technological developments have changed the significance of Greenland's geography to the world.



**GREGORY LEARNS TO READ (WU)**

c-a 28 minutes B&amp;W: \$5.35

A well-trained teacher skillfully guides Gregory and his classmates through various complexities of learning to read. All of the word recognition techniques are introduced and developed for teachers and parents.

**GREY OWL'S LITTLE BROTHER (TFC)**

p-i-j 10 minutes B&amp;W: \$1.90

A story of the friendship between a half-breed Canadian backwoodsman named Grey Owl and a beaver. The baby beaver is discovered by Grey Owl who brings it to his camp and feeds the beaver from a bottle. As the beaver grows, it learns to eat from a dish with its paws. It then cleans and brushes itself thoroughly after each meal. Grey Owl does not want to domesticate the beaver, so when it meets a mate he lets it go. *Restricted to Classroom Use.*

**GREY TROUT (NFBC)**

j-h-c-a 14 minutes Color: \$2.15

The lakes of northern Ontario provide plenty of scenic camping sites, as well as deluxe accommodations for the ardent angler. Depicts the art of trout catching by showing the experiences of a party of fishermen camping on the shore of a lake. Describes the grey trout's distinguishing features and comments on the observance of conservation practices as well as on how to deal with full-sized cagey fighters.

**GRIEG PIANO CONCERTO (SG)**

h-c-a 19 minutes B&amp;W: \$3.35

The first movement of the Grieg Piano Concerto, performed by the Rome Philharmonic Orchestra under Angelo Questa's direction. Added feature: two Norwegian dances.

**GRIEVANCE, THE (McGH)**

c-a 30 minutes B&amp;W: \$6.15

The story of an auto worker and his grievance against working inside a truck cab that is too hot. The union registers the grievance and it passes through three stages before it can be acted upon by the management.

**GRINDING A V-BLOCK (UW)**

h-a 21 minutes B&amp;W: \$2.65

Illustrates how to set up a V-Block to grind the ends and the V; rough-grind and finish-grind the ends; establish reference points for grinding the V to precision dimensions; and check the work for accuracy.

**GROUND CONTROL APPROACH OF AIRCRAFT (CAA)**

h-c 33 minutes B&amp;W: \$2.15

Explains the operation of GCA utilizing radar equipment manufactured by Bendix; shows how the various activities of the operation handled by a five-man crew are properly coordinated.

**GROUND CREW SAFETY (CAA)**

h-c 18 minutes B&amp;W: \$2.15

Discusses causes of spontaneous combustion, points out "don'ts" when working with batteries, torches, gasoline, drop cords, etc. Safety precautions when refueling and starting a plane are covered. Example of practices that cause accidents in and around the hangar are emphasized.

**GROUND WATER (EB)**

j-h-c 10 minutes B&amp;W: \$2.15

Portrays various movements, and work of ground water. Demonstrates evidences in wells, seepages, springs, and geysers. Illustrates, through animated drawings, the water table, the Great Plains artesian system, and the formation of geysers and caverns. Depicts petrified trees, fossils, geode crystals, and iron ore deposits as supporting evidence that ground water may deposit, as well as carry away, minerals.

**GROUSE OF THE GRASSLANDS (EB)**

j-h 11 minutes Color: \$3.40

Shows the western Missouri booming grounds of the prairie chicken and the mating ceremonies of that species of grouse. Color photography and on-the-spot sound recordings portray the booming of the male, his strutting to attract the female, and his gorgeous mating-time coloration.

**GROW YOUR OWN (USDA)**

j-h-c 17 minutes B&amp;W: \$2.15

Sets forth in a light vein the essentials of good gardening. Information on preparation of the soil, how to lay out a garden,

planting, transplanting, cultivating, weed and pest control, and watering. A "dream" sequence shows by stop motion photography how plants grow. Closes with humorous "don'ts" designed to bring home the many pitfalls that might mar the success of an amateur gardener.

**GROWING ALFALFA SUCCESSFULLY (API)**

h-c-a 25 minutes Color: N.C.

This film covers the value and uses of alfalfa, its origin and introduction into North America. It features the soil and nutrient requirements of alfalfa, as well as cultural methods and the latest management techniques, including fertilization and liming, seeding, inoculation, cutting, pests, and weed control. Special time-lapse photography is used to show how the plant grows and feeds.

**GROWING UP DAY BY DAY (EB)**

p-i 11 minutes Color: \$3.80

In this film a group of third-grade children are celebrating their friend Bill's eighth birthday. The party scenes lead to questions about growing up. These aspects of growing up are visually stressed: the importance of exercise, rest, and the right kinds of food; and the importance of learning "to act your age." The situations depicted in the film are ones that most children have met in their own experience.

**GROWING UP (LINCOLN SERIES) (McGH)**

h-c-a 28 minutes B&amp;W: \$5.65

Begins with Lincoln at the age of 14 attending a "blab school," which was typical of that day. Abe's father, stepmother, sister and stepbrother tell what kind of boy he has grown up to be. Shows Lincoln on his 21st birthday saying farewell to his family and starting life on his own.

**GROWING UP (PREADOLESCENCE) (C)**

i-j 10 minutes Color: \$3.40

Children illustrate variations in the normal growth process. Animation and silhouette photography help to show that growing up is an uneven process which differs between boys and girls and varies with individuals and age. The role of the endocrine glands in controlling growth is explained along with health measures which aid the normal growing process.

**GROWTH OF A NATION (AFMA)**

h-c-a 33 minutes B&amp;W: \$2.15

Tells the story behind the development of feed manufacturing, and includes the effect that mixed feeds have had on our animal industry.

**GROWTH OF AMERICA (CHICAGO HISTORICAL SOCIETY) (IFB)**

j-h-c-a 9 minutes B&amp;W: \$2.15

Shows exhibits connected with Christopher Columbus, George Washington and Abraham Lincoln; replica of Paul Revere's home in Boston; reconstruction of Lincoln's log cabin birthplace and the room where he died; and materials relating to the development of the Middle West and the accompanying difficulties with the Indians.

**GROWTH OF CITIES (EB)**

i-j-h-c 10 minutes B&amp;W: \$2.15

Portrays the natural influences affecting the location and growth of cities—harbors, water courses, raw materials and climate. Animated drawings trace the urbanization of the United States. The effect of location, business enterprises and power on the rate of growth of cities is shown.

**GROWTH OF FLOWERS (2ND EDITION) (C)**

i-j-h 9 minutes Color: \$3.60

The magic of time-lapse photography shows us in a few minutes a process which takes weeks to accomplish in nature. It shows us the miracle of growth—action imperceptible to the human eye. Accelerated growth of the jonquil, jack-in-the-pulpit, phlox, lily, rose, zinnia, gladiolus, and water lily depicts sprouting, struggling for sunlight and life, and finally the bursting into bloom of the flowers.

**GROWTH OF LONDON (UW)**

j-h-c 21 minutes B&amp;W: \$4.40

An historical overview of principal events and developments which shaped London and the British Empire. Describes the expansion period in terms of London's trade, 16th century discovery and exploration, and the Industrial Revolution. Scenes of modern London show the complexities and current problems to be met.



**GROWTH OF MANKIND (AFR)**

j-h-h 11 minutes B&amp;W: \$1.65

The development of mankind through the ages is traced in this anthropological study. Portions of the interpretation are related to the explorations and findings of the late Dr. James Henry Breasted.

**GROWTH OF SEEDS (EB)**

j-h-c 14 minutes B&amp;W: \$2.95

Shows the sources from which plant seeds are obtained. Describes the structure of seeds and shows, by the use of the time-lapse camera, the processes of germination and plant growth.

**GUADALAJARA (UW)**

h-c-a 15 minutes Color: \$4.50

Presents a tourist view of the city.

**GUARD YOUR HEART (BR)**

h-c-a 27 minutes B&amp;W: \$5.15

Sam Taylor, a middle-aged man, exerts himself and tires his heart. When he pays a visit to his doctor, the latter tells him about the structure and function of the heart and advises him to slow down. Sam eventually adjusts to his new schedule.

**GUARDIAN ANGEL, THE (CAA)**

j-h-c 11 minutes B&amp;W: \$2.15

Depicts the great variety of uses to which the helicopter is being put in Korea—new tasks are found for it almost daily.

**GUATEMALA (PFI)**

j-h-h 10 minutes Color: \$3.40

Guatemalans love their land and their free way of life. Communism attempted to establish itself in the country, but forces were aroused to combat this threat. The fight isn't over, but the Guatemalans expect to defeat the Communist influence altogether.

**GUATEMALA (CROSS SECTION OF CENTRAL AMERICA) (UW)**

general 20 minutes B&amp;W: \$4.15

Shows the life and occupation of the Indian people of Guatemala including the felling of mahogany trees in the forests, and farming in the high plateaus. Emphasizes how the change in altitude affects the climate, products, and mode of living of the people. Concludes with a visit to Guatemala City.

**GUATEMALA, LAND OF LOOMS (AMP)**

j-h-c-a 29 minutes Color: \$8.90

Unusual fabrics are needed for a wedding gift. Two Guatemalan Indian boys go in search of hard-to-get fabrics which are hand made by Guatemalan Indian women. Colorful Indian religious ceremonies observed by half-Christian Indians are reproduced in brilliant color.

**GUATEMALA: NATION OF CENTRAL AMERICA (EB)**

p-i-j-h-c-a 17 minutes Color: \$5.60

In its variety of climate and people, Guatemala is very much like other countries of Latin America: a developing nation with a substantial part of its population living primitively, unmindful of life beyond the small upland villages. We are introduced to an Indian and his family. From Juan Perez, manager of a large banana plantation, we learn of an entirely different world—that of the plantation.

**GUATEMALA STORY (IFI)**

general 15 minutes Color: \$5.65

Guatemala exhibits cultures that represent the modern and the old. Brilliant color probes the people of the country, the industries, and major cities. Indians, who stick to the old ways, work amidst modern cities and buildings.

**GUNFIGHT AT THE O.K. CORRAL, THE (YOU ARE THERE) (CBS)**

j-h-c-a 27 minutes B&amp;W: \$5.65

October 26, 1881, Tombstone, Arizona, local citizens oppose the Earp brothers, and conflicting partisanships rage into open warfare in the fierce struggle for a lawful order to replace rule by violence in the vast Southwest territories.

**GYMNASTICS: PART I (PHP)**

j-h-c-a 16 minutes B&amp;W: \$3.65

Slow and fast motion photography catches expert gymnasts performing on the parallel bars, long horse, rope climb, and tumbling.

**GYMNASTICS: PART II (PHP)**

j-h-c-a 16 minutes B&amp;W: \$3.65

Expert gymnasts demonstrate perfection of form in the free exercise, rings, side horse, and high bar. Some action scenes are in slow motion.

**GYRO COMPASS—COMPASS SYSTEM (CAA)**

h-c-a 16 minutes B&amp;W: \$2.15

Explains and demonstrates the five major assemblies—sensitive, phantom, and spider elements, mercury ballistic, and binnacle—of a Sperry Mark 14 Gyro Compass. Shows the operation of the follow-up and repeater systems.

**GYRO COMPASS: PRINCIPLES OF THE GYROSCOPE (CAA)**

h-c 10 minutes B&amp;W: \$2.15

The basic principles of the gyroscope (rigidity in space and precession) are explained and illustrated. Points out the three degrees of freedom of a gyroscope and makes a further study of precession, rigidity, and apparent rotation.

**GYRO COMPASS: THE GYRO BECOMES A COMPASS (CAA)**

h-c 15 minutes B&amp;W: \$2.15

Simplified models of the pendulous and the mercury ballistic type compasses are used to explain why the gyroscope, acting as a compass, turns toward the meridian, how its motion is damped, and how it is kept on the meridian.

**GYRO COMPASS: THE GYROSCOPE AND THE EARTH'S ROTATION (CAA)**

h-c 9 minutes B&amp;W: \$2.15

Animated drawings are used to explain how a simple gyroscope becomes a gyro compass. The principles of rigidity and precession and apparent rotation and gravity are demonstrated.

**GYRO COMPASS: THE GYROSCOPE AND GRAVITATION (CAA)**

h-c 14 minutes B&amp;W: \$2.15

Explains the theory and operation of the pendulous and mercury ballistic type compasses. Studies the effect of gravity upon the gyroscope, explaining its principles. Both the Arma Pendulous Compass and the Sperry Mercury Ballistic Compass are analyzed in this film.

**H—THE STORY OF A TEEN-AGE DRUG ADDICT (McGH)**

h-c-a 22 minutes B&amp;W: \$4.15

The case history of a teen-age boy and his fight with drugs—how he encounters drugs and becomes an addict, and how he solves his problem.

**HACIENDA LIFE IN OLD MEXICO (HFE)**

p-i-j 11 minutes Color: \$3.40

Shows life in a community existing today which is practically self-sufficient without the aid of modern mechanization. A valuable picture for the study of community life in elementary grades.

**HACK SAWS (UW)**

j-h-c 18 minutes B&amp;W: \$3.65

Selection of proper blades for different materials and correct methods of using the hacksaw are demonstrated.

**HALLOWEEN PARTY (EB)**

p 6 minutes Color: \$2.00

Shows a family of three children making a jack-o-lantern and attending a school Halloween party. The boy wins a prize wearing a costume he helped make.

**HALOGENS, THE (C)**

h-c 11 minutes Color: \$3.40

Laboratory demonstrations present the physical and chemical properties of fluorine, chlorine, bromine, and iodine—free and in compound. The slow-motion camera shows the most detailed points in each demonstration.

**HAMBURG, DIE HANSESTADT (IFB)**

h-c 10 minutes Color: \$3.80

A German-language film in which the students are introduced to a German city and its people. A map is used to locate Hamburg, and then the film takes the viewer through the harbor section of the city and through the business and shopping dis-



tricts. A typical middle-income home is visited at a family gathering, and a trip made to the inner and outer lakes, the botanical gardens and the zoo. This film can be used effectively after one semester of German.

### **HAMILTON-BURR DUEL, THE (YOU ARE THERE) (CBS)**

j-h-c-a 28 minutes B&W: \$5.65

An example of the political strife in the new nation is the bitter rivalry between Alexander Hamilton and Aaron Burr. The culmination comes on July 11, 1804, when Burr mortally wounds Hamilton in a duel at Weehawken Heights.

### **HAMS THAT COULDN'T BE CURED (UW)**

p-i 9 minutes B&W: \$1.70

The wolf about to be hanged spins a wild yarn about the pigs which blow his house in and down.

### **HAND INDUSTRIES OF MEXICO (C)**

j-h-c-a 11 minutes Color: \$3.40

Pictures hand-molding of roof tiles, making and decorating of glazed ornamental tiles, handmade shoes, lacquer work and fabrication of silver jewelry.

### **HAND PLANE, THE (TOM)**

i-j-h 12 minutes B&W: \$2.15

Several types of hand or jack planes are shown and their various uses briefly explained. A cutaway jack plane is disassembled, and its parts are identified. Various adjustments that can be made in the plane are presented.

### **HAND SAWING (JH)**

j-h-c 18 minutes B&W: \$3.40

An outline of the manufacture of saws from the ancient method to the making of high-grade steel saws of today. Gives the fundamentals of handling hand saws and explains how to choose the right saw for the job.

### **HAND SAWS (CROSSCUT AND RIP) (TOM)**

j-h 11 minutes B&W: \$2.15

Describes the uses of coping, panel, dovetail, and back saws. Points out the differences between the design and uses of the hand saw and the rip saw.

### **HAND SOLDERING (UW)**

j-h-c 20 minutes B&W: \$2.90

Explains the theory of soldering. Shows how to prepare soldering irons and torches, clean and prepare the work, fasten the joints, solder wire and lug joints, and seal seams.

### **HANDEL AND HIS MUSIC (C)**

j-h-c-a 16 minutes Color: \$4.15

Filmed in Germany, Italy, and in London, where Handel reached the summit of his career, this film presents the key figure in the development of baroque music. Selections illustrate his contributions, including the oratorio form which he perfected in such works as the *Messiah*.

### **HANDICRAFT TOWN (AFF)**

j-h-c-a 12 minutes B&W: \$2.15

Maniago, a small town in northern Italy, is known the world over for the quality of its hand-wrought cutlery. The tradition seemed on the point of dying out until Marshall Plan funds restored the flow of coal and steel to Maniago. Production now is back to pre-war standards. Includes demonstration of the technique of knife-making by hand.

### **HANDLING AND STORING APPLES IN PALLET BOXES (USDA)**

h-c-a 23 minutes Color: \$2.15

Presents the methods, devices, and equipment developed through two years of engineering research on handling and storing apples in pallet boxes. Shows and evaluates methods and equipment used for moving apples in pallet boxes from the orchard to the packing plant. Presents innovations in box design and handling methods.

### **HANDLING FRUITS AND VEGETABLES IN WHOLESALE WAREHOUSES (USDA)**

h-c-a 25 minutes Color: \$2.15

Demonstrates efficient materials handling systems and warehouse designs for wholesale distributors of fresh fruits and vegetables. TV cleared.

### **HANDMADE MATERIALS FOR PROJECTION (IU)**

c-a 21 minutes B&W: \$3.65

Shows how the basic principles of transparency, translucency, and opaqueness can be applied to the preparation of teaching materials for use in overhead, standard slide, and opaque projectors. A variety of techniques and materials for inexpensive projection: carbon film; dot-dusted stencils; coated acetate; adhesive shading and coloring materials; and transfer of magazine pictures to acetate.

### **HANDS OFF (ISC)**

j-h-c-a 20 minutes Color: \$5.35

Vivid illustrations of compicker accidents all based on true events. Stresses farm safety while using dangerous machinery.

### **HANGING AND FINISHING A HEM (BFS)**

j-h-c-a 11 minutes B&W: \$2.15

Shows all the steps in hanging and hemming a garment: knotting the thread, basting, fastening the thread, hemming stitch, slip stitch, and catch stitch. Pressing is emphasized.

### **HANSEL AND GRETEL (BFS)**

p-i 11 minutes Color: \$3.40

This fairy tale is depicted through animated figures.

### **HARD WATER (CHEMISTRY LAB. SERIES) (C)**

h-c 28 minutes Color: \$8.25

Solutions containing calcium, barium, and strontium ions are prepared. Flame tests for these ions are performed and the solubilities of their sulfates are examined. The operation of an ion exchange column is shown and the use of such columns in preparing "soft" water is discussed. Methods are demonstrated for the determination of total, permanent, and temporary hardness in a sample of tap water.

### **HARE AND THE TORTOISE, THE (EB)**

p-i 11 minutes B&W: \$2.15

The well-known fable by Aesop is captured through natural photography. Additional characters such as a squirrel, a gossipy goose, a chatty rooster, a curious little raccoon, and a very wise old owl have been introduced to add color to the story.

### **HARMONY IN MUSIC (C)**

i-j 12 minutes B&W: \$2.65

Designed for beginning music classes, this film clarifies the nature of chords, shows how they are built and how harmony, whether instrumental or choral, supports and adds vitality to melody and rhythm.

### **HARNESS CHAMPIONS (UW)**

j-h-c-a 9 minutes B&W: \$1.70

Tom Berry, famed race driver, is seen in the training of pacers and trotters with revealing slow-motion shots. Scenes of typical harness racing show some of the dangers that drivers face.

### **HARVEST FOR TOMORROW (USDA)**

j-h-c 30 minutes B&W: \$3.65

Shows the growth, decline, and rebirth of the soil. Shows how the early farmers cleared the land and tilled the soil, failing to put back minerals which their season's crops had taken away. Depicts the results of this habit. Finally, modern methods of agriculture are devised whereby lime and phosphorus, the two most important minerals in the soil, may be restored to the land.

### **HARVEST OF SHAME (CBS)**

h-c-a 60 minutes B&W: \$10.50

This film from the CBS Reports Television Series reveals the deplorable plight of millions of migratory workers who harvest America's crops. On-the-scene reports in Florida, Georgia, Virginia, New Jersey, New York, Michigan and California show the degradation and exploitation of these men, women and children, who are moved from state to state in trucks, live in crowded, unsanitary huts, and work long hours for little pay. Former Secretary of Labor, James P. Mitchell, Charles B. Shuman, President of the American Farm Bureau Federation, and spokesmen for the farmers and the workers present their views both for and against the use of migratory workers under the conditions seen.

### **HATFIELD-McCOY FEUD, THE (YOU ARE THERE) (CBS)**

j-h-c-a 27 minutes B&W: \$5.65

The dramatic effect of violence replacing due process of law is seen in the famous bitter feud between Kentucky and West Virginia folk on January 1, 1888.



**HAUSA VILLAGE (BIS)**

j-h-c 21 minutes B&W: \$3.15  
Hausa Village lies in Northern Nigeria and its inhabitants are Mohammedans. Many of their customs are primitive, but they apply themselves with so much energy to farming and fishing that they thrive and prosper. The film presents a detailed picture of their daily life.

**HAVE A GOOD DAY (IAA)**

h-c-a 45 minutes Color: \$2.15  
Tracing the events of a single hot summer day, this film shows how Steve Duncan, an IAA insurance agent, goes about his job, and how he plays an important part in community affairs. Although the story is fiction, the characters and events are drawn from real life people and situations. Real life stories of three farm families are depicted in this film, as they grapple with the problems familiar to every farm family in the United States.

**HAWAII (THIS WORLD OF OURS SERIES) (IFI)**

i-j-h 7 minutes Color: \$2.40  
Presents the geography of the islands and the activities of the people.

**HAWAII—OUR NEXT STATE (McGH)**

j-h-c-a 29 minutes B&W: \$5.15  
Presents an over-all survey of the geography of the Islands, the life of the people, the industries, etc.

**HAWAII—THE 50TH STATE (EB)**

i-j-h-c-a 17 minutes Color: \$5.90  
Describes the birth of the Hawaiian Islands and the creation of their spectacular land forms. Shows views of the still-active volcanoes on the island of Hawaii and the silent craters of Maui. Includes scenes of the city of Honolulu and of sugar and pineapple plantations.

**HAWAII, THE ISLAND STATE (IFB)**

i-j 18 minutes Color: \$6.65  
Introduces the Hawaiian Islands, describing their climate and volcanic origin. Studies the people and their economy.

**HAWAII—THE SUGAR STATE (DPP)**

i-j-h-c-a 22 minutes Color: \$2.15  
Shows how weather, erosion and plant life all had their part in transforming a molten rocky mass into a subtropical paradise. Shows the leading part sugar has played in the economic development of Hawaii. Explains how sugar is largely responsible for the unusual cosmopolitan nature of the islands in which people of many racial backgrounds live in harmony. Modern techniques used in growing, harvesting, and refining Hawaiian sugar cane are pictured.

**HAWAII, U.S.A. (BFS)**

i-j-h-c-a 21 minutes Color: \$6.10  
Depicts many aspects of the Hawaiian Islands, including the history and heritage, natural beauty, commercial life and industries, racial groups, traditions of the people, etc.

**HAWAIIAN ISLANDS: THEIR CHIEF INDUSTRIES (DPP)**

i-j-h 10 minutes Color: \$3.40  
Shows the details of the sugar cane and pineapple industries. Indicates the importance of trade with the United States to provide goods needed by the Hawaiian people.

**HAWAIIAN ISLANDS: THEIR ORIGIN AND NATURE TODAY (DPP)**

i-j-h 10 minutes Color: \$3.40  
With live action and diagrams one sees how the islands were created by volcanic action. Wind, rain, and sea gradually changed the form of the rocky peaks. Plant life started and the islands were transformed into a tropical and habitable land. A comprehensive picture of the islands today is presented.

**HAWAIIAN NATIVE LIFE (EB)**

i-j-h 11 minutes B&W: \$2.15  
Describes the setting of the Hawaiian Islands and provides an insight into the native economy. The dependence of the natives upon the sea and their immediate land environment for food; home and school life; sports and craftsmanship; and the preparation of a native feast; glimpses of mass production and harvesting of sugar cane and pineapple are shown. A rendition of "Aloha" accompanies the concluding scene.

**HAWAII'S HISTORY: KINGDOM TO STATEHOOD (FA)**

i-j 13 minutes Color: \$4.40  
This film shows the gradual change in ways of living in the Hawaiian Islands from the days of the native kingdoms to today's modern American community. It traces the step-by-step development of closer ties with the United States resulting from contact with early New England whalers and missionaries, the growth of large plantations, and the United States' need for naval bases. The film ends with Hawaiian statehood.

**HAWTHORNE AND WHITTIER (MORT)**

h-c-a 11 minutes Color: \$3.00  
Scenes in Salem, Massachusetts, including "The House of the Seven Gables," with interiors; "The Old Manse"; Concord River; and "The Wayside," Also Whittier's birthplace, with the fireplace of "Snowbound," and the Amesbury home, with interiors. Graves of both authors are shown.

**HAY IS WHAT YOU MAKE IT (USDA)**

j-h-c-a 18 minutes Color: \$4.00  
Film shows how to improve the quality of hay by cutting it at the right stage of growth, curing it properly in order to preserve the green color and thus save the vitamins, and retaining the leaves to save the proteins. High-grade hay is more palatable and nutritious, and costs less in labor, seed, transportation, and storage than does low-grade hay.

**HE ACTS HIS AGE (McGH)**

c-a 13 minutes B&W: \$3.40  
In a discussion of behavior patterns at certain ages, this film explains that a child's emotional development normally keeps pace with his physical growth. Traces the development of the child from the year-old baby bent on exploring the whole wide world to the fifteen-year-old with problems of approaching adulthood. Shows that the different levels of development are definite, predictable stages that can be anticipated and understood.

**HE DOOD IT AGAIN (MIGHTY MOUSE) (UW)**

p-i-j 8 minutes B&W: \$1.70  
When the roadside diner closes for the night, the mice play the juke-box, dance and have fun. But the diner's cat returns with buddies and the action is hilarious.

**HEADLINES OF THE CENTURY (5 PARTS) (TFC)**

j-h-c-a 10 minutes each B&W: \$1.65 each  
Presents a pictorial history from 1897 to 1932, taken from newsreels of the period. Part I, 1897 to 1905; Part II, 1905 to 1910; Part III, 1910 to 1923; Part IV, 1923 to 1928; and Part V, 1928 to 1932. If all five parts are ordered at the same time, rental is \$6.25 for the complete set. *Restricted to classroom use.*

**HEADSPRINGS IN THE GYM (EB)**

j-h 9 minutes B&W: \$2.15  
Demonstrates the three fundamental parts of the headspring—the angle headspring, the push-up to the handstand, and the landing. Illustrates the use of a box and a mat as a base for the spring, and portrays a running start. Slow motion photography allows unhurried study of action and techniques.

**HEALTH FARM (FARMER AL FALFA) (UW)**

general 5 minutes B&W: \$1.20  
Al Falfa and his pup have great gadgets for reducing. Rowing machine runs wild and causes lots of excitement for Al and the pup.

**HEALTH HEROES: THE BATTLE AGAINST DISEASE (C)**

i-j-h 11 minutes B&W: \$2.35  
The contributions of five great men in the battle against disease are examined within an historical framework. We see how Van Leeuwenhoek began the study of bacteria by improving the microscope; how Jenner developed the concept of vaccination; how Pasteur's and Koch's study of microorganisms threw light on the causes of disease; and how Lister helped demonstrate the relationship between sanitation and health.

**HEALTH IN OUR COMMUNITY (EB)**

i-j 15 minutes Color: \$4.70  
Dramatizes the work of the Department of Health—both the everyday activities required to safeguard the community and the crises which result from the outbreak of a dangerous disease. Stresses the teamwork between public health personnel



and private medical people in dealing with community health programs: unsanitary living conditions, industrial hazards, accidents, contagious disease, and the danger of contaminated foods. Presents a case study of medical detective work—a fight to prevent an epidemic of typhoid fever.

### HEALTH: YOUR CLEANLINESS (McGH)

i-j 13 minutes B&W: \$2.15  
Designed to promote more healthful living by giving a lesson on health habits applying to personal cleanliness.

### HEALTH: YOUR CLOTHING (McGH)

i-j 11 minutes B&W: \$2.15  
Dramatizes the suitable clothing to wear for health.

### HEALTH: YOUR FOOD (McGH)

i-j 18 minutes B&W: \$3.65  
Percival Pate, who wouldn't eat anything but sweets, is visited by Nutrition (a puppet) and is convinced that by eating meat and vegetables he will become stronger and happier.

### HEALTH: YOUR POSTURE (McGH)

i-j 12 minutes B&W: \$2.15  
A girl who has always been a wallflower finds that good exercise, work, and sleep will correct her posture and help her overcome her difficulties.

### HEALTHY FEET (C)

i-j 11 minutes B&W: \$2.25  
The structure of the foot is explained with the use of X-ray and animation. The slow motion camera shows the function of each part in body motion. The importance of healthy feet and proper care to prevent skin diseases and other dangers is emphasized.

### HEALTHY LUNGS (C)

j-h 10 minutes B&W: \$2.15  
Knowledge of the structure and work of the lungs helps us to understand how to protect them from infection and injury. Shows the windpipe, larynx, bronchial tubes, small air tubes, and the tiny air sacs. Animation demonstrates how the exchange of waste products for oxygen takes place.

### HEALTHY SKIN (C)

i-j 11 minutes B&W: \$2.25  
The importance of clean and healthy skin is explained in relation to the structure and function of the skin. Animation aids are used in examining pores, sweat glands, oil glands, blood vessels, nerve endings, and other parts of the skin.

### HEAR BETTER: HEALTHY EARS (C)

p-i 11 minutes B&W: \$2.15  
In animation sequences, the structure of the ear is detailed and the actual process of receiving air vibrations and transmitting them into "sound" is shown. General information on how to take care of the ears is also shown.

### HEAR, NOW (AVF)

p-i 10 minutes Color: \$3.40  
With the aid of a circus clown the film explains to children the importance of hearing and how the ear functions. It also shows good health and safety practices in the care of the ear.

### HEART AND CIRCULATION (EB)

i-j-h-c-a 10 minutes B&W: \$2.15  
Shows how heart and blood vessels circulate blood throughout the body. Animated drawings depict the nature of the circulatory system and muscular and valvular heart action. Shows factors affecting rate of heart beat, flow of blood from severed artery, and effect of severing cervical nerve.

### HEART DISEASE: ITS MAJOR CAUSES (EB)

h-c-a 11 minutes B&W: \$2.15  
Discusses, by using photographs, X-ray photographs, and animated drawings, what happens when a human heart no longer functions normally. Conditions explained are: high blood pressure, hardening of the arteries, and rheumatic fever.

### HEART DISEASE (THE SEARCH) (CBS)

h-c-a 27 minutes B&W: \$5.65  
The results found by a group of specialists who have been examining 500 healthy, normal men for the past seven years have been analyzed and interpreted at the University of Minnesota and presented as an integral part of the study of heart disease.

### HEART: HOW IT WORKS (McGH)

j-h 14 minutes B&W: \$2.65  
A normal heartbeat is amplified to show how it sounds through a stethoscope. The structure of the heart, the flow of blood through it and the functions of its parts are shown in animation. Methods of testing the heart, facts about its workload, and the ways to maintain a healthy heart are illustrated.

### HEART, LUNGS, AND CIRCULATION (C)

i-j 10 minutes Color: \$3.60  
How the heart, lungs, veins, arteries, and capillaries work together in the process of circulation is explained. Animation, cinefluorography and a unique combination of artwork and a live subject visualize key functions. Principles to help maintain healthy heart and lungs are suggested.

### HEART OF MEXICO (TFC)

i-j-h-c 10 minutes B&W: \$1.65  
Shows life in the towns, beautiful scenery, ancient ruins of former civilizations, mountains, natives in their villages, ceremonial dances, etc. *Restricted to classroom use.*

### HEART OF THE WEST (UW)

i-j-h-a 9 minutes B&W: \$1.70  
Hopalong notes strange brands among Jordan's cattle, obviously strays from stolen herds driven through the narrow valley in the night. He suggests a fence across the pass, and the rustlers stampede a huge herd to crash through it. Hopalong plants dynamite charges to stop the crazed animals and, just in time, the blasts turn the maddened cattle back to trample the rustlers in a spectacular climax.

### HEARTWATER IN FARM ANIMALS (USDA)

h-c-a 15 minutes Color: \$2.15  
Heartwater is a septicemic, infectious, noncontagious disease of sheep, goats, and cattle, characterized by a high fever and nervous symptoms. The film shows the means of diagnosis, methods of spread, and measures for control. The causative agent is *Rickettsia ruminantium* and the vector is the bont tick. The life cycle of the tick is shown with the living insect by means of magnification.

### HEAT AND ITS BEHAVIOR (C)

i 11 minutes B&W: \$2.35  
This film clarifies basic concepts concerning the nature of heat—its sources, measurement and utilization. Simplified animation illustrates that heat is molecular motion—a form of energy, and that an increase in heat produces expansion of matter because of increased molecular activity. Also shows that heat travels by conduction, convection, and radiation.

### HEAT AND ITS CONTROL (USBM)

h-c 19 minutes B&W: \$2.15  
Emphasizes the importance of controlling heat and the many roles heat plays in present-day life, from driving locomotives and turbines to changing the structure of ores and metals. In contrast, the destructive power of unharnessed heat is depicted by the seething lava of the volcano and the desert wastelands. From a historic standpoint, the film pictures the worship of sun and flame in bygone years, and the research by James Watt, who perfected the steam engine.

### HEAT CONDUCTION (JUNIOR SCIENCE SERIES) (McGH)

j-h 11 minutes B&W: \$2.15  
Explains how heat spreads in solids, which materials conduct heat best, and how a thermostat works. An interesting experiment shows that metals expand when heated and contract when cooled.

### HEAT CONVECTION AND RADIATION (JUNIOR SCIENCE SERIES) (McGH)

j-h 13 minutes B&W: \$2.15  
Explains how heat spreads in liquids and gases, why the ice compartment is always at the top in a refrigerator, and why we wear light-colored clothes in summer. The following experiments are shown: how to have ice boiling water; how a tin foil sail boat works with rising hot air; and how to make a spiral toy that whirls because of hot air.

### HEAT, ITS NATURE AND TRANSFER (EB)

i-j-h 11 minutes B&W: \$2.15  
This film first deals with the different kinds of heat sources—coal, oil, gas, electricity, and wood. How furnace fuels are burned in coal, oil, and gas furnaces are demonstrated. The development of home heating from the colonial fireplace to the modern steam radiator and the mechanics of heat transfer by conduction, convection, and radiation are presented.



**HEAT OF SOLUTION (CHEMISTRY LAB. SERIES) (C)**

h-c 16 minutes Color: \$5.00

A simple calorimeter is constructed and its "calorimeter constant" is determined. The heat evolved when a known amount of zinc sulfate is dissolved in water is measured and the molar heat of solution of zinc sulfate is calculated.

**HEAT TREATMENT OF ALUMINUM: PART I (UW)**

c 19 minutes B&amp;W: \$2.65

Shows the purpose of heat treatment, microscopic changes during the treatment and the procedures to be followed. Demonstrates the effects of heat treatment on the physical properties of aluminum and aging or precipitation hardening.

**HEAT TREATMENT OF ALUMINUM: PART II (UW)**

c 22 minutes B&amp;W: \$2.65

Shows the treatment of aluminum in the process of cold-working operations. Explains the characteristic changes in molecular structure during cold working and annealing.

**HEAT TREATMENT OF STEEL: ELEMENTS OF HARDENING (UW)**

c-a 17 minutes B&amp;W: \$2.65

How steel is quench-hardened; how the structure and hardness of steels with different carbon content change at different quench-hardening stages; and how an iron-carbon diagram is constructed.

**HEAT TREATMENT OF STEEL: ELEMENTS OF SURFACE HARDENING (UW)**

c-a 14 minutes B&amp;W: \$2.65

How steel is packed and gas carburized; how a thin, hard case is obtained from cyaniding; how nitriding is used to obtain a very hard case; and how steel is flame and induction hardened.

**HEAT TREATMENT OF STEEL: ELEMENTS OF TEMPERING, NORMALIZING AND ANNEALING (UW)**

c-a 15 minutes B&amp;W: \$2.65

Shows how steel is tempered; how the structure, toughness, and hardness of plain carbon steel change at progressive tempering stages; how steel is normalized and annealed; and results of normalizing and annealing.

**HEATING AND AIR CONDITIONING (VGF)**

h-c 10 minutes B&amp;W: \$2.15

Scenes of air conditioning equipment being constructed, installed, and serviced are shown. Types of heating equipment are explained as are some of the tools used. The job range in these fields of industry is outlined and the educational requirements are indicated.

**HEIDELBERG (IFB)**

h-c 15 minutes Color: \$5.00

This is a German-language film. Gives a tour of the city of Heidelberg and the surrounding countryside. Shows the various buildings, universities, schools, and other points of interest in the city. Recommended for second and third year German students.

**HEIDI (TFC)**

i-j 40 minutes B&amp;W: \$6.15

An excerpt from the feature film of the same title, based on a story by Johanna Spyri. Dramatizes the story in a form to be used in schools and presented in a way as to show the characters and situations of the story to the average child. *Restricted to Classroom Use.*

**HEIGHT GAUGES AND TEST INDICATORS (USOE)**

h-c 11 minutes B&amp;W: \$1.65

Presents the fundamental principles of the Vernier scale as used on a height gauge, and shows the various forms of standard indicators and their use. The care required to secure accurate measurement and the proper method of using the Vernier height gauge are explained.

**HEIGHTS AND DEPTHS (JH)**

j-h-c-a 7 minutes B&amp;W: \$1.65

Explains the basic principles of engraving including wood-cuts, zinc etching, half-tone photoengravings and rotogravure plates.

**HELEN KELLER IN HER STORY (DRO)**

j-h-c-a 45 minutes B&amp;W: \$6.15

HELEN KELLER IN HER STORY, as narrated by Miss Katharine Cornell, is a simple, honest, tremendously moving film. It

was produced by Nancy Hamilton and other devoted friends and neighbors of Miss Keller. In bringing her life story to the screen, Katharine Cornell, Martha Graham, Gladys Swarthout and President Eisenhower gave freely of their time and talents. Helen Keller, playing her own role, surpassed even the greatest actress, as she evoked the personal drama of her unique and dramatic story of courage, faith, perseverance, and hope.

**HELICOPTER, THE (EB)**

i-j-h 10 minutes B&amp;W: \$2.15

Demonstrates the helicopter's many uses, explains how it flies, and compares it with a conventional airplane. New developments in helicopter flight are shown, with special emphasis on the jet helicopter.

**HELP WANTED (USBM)**

j-h-c 33 minutes B&amp;W: \$2.15

Deals with the basic information contained in courses for beginners in first aid. Demonstrates recent methods of artificial respiration. Shows treatment of burns, shock, bleeding, and simple and compound fractures. Indicates pressure points, uses of bandages and tourniquets, and ways of transporting the injured.

**HELP YOURSELF (ALA)**

h-c-a 22 minutes Color: \$6.15

Shows the various facilities the public library offers and the many services it renders. Special services in the loan of ceiling projectors and books on film and in the bookmobile are also shown.

**HELPERS IN OUR COMMUNITY (C)**

p 10 minutes B&amp;W: \$2.25

While Susie, her classmates, and their teacher talk about the different kinds of helpers in their community, we meet many of these interesting people and learn about the important work that they do. The street repairman, the doctor, the storekeeper, the bus driver, and others are represented. We see how all work together to make the community a good place to live.

**HELPERS WHO COME TO OUR HOUSE (C)**

p 11 minutes B&amp;W: \$2.15, Color: \$3.40

Joey's family moves into a new home. Joey learns that his family and other families of the community are dependent upon many people for service. The people receive pay for the services, and, therefore, they earn their livings by being helpers to the families in the community. The garbage man, the newspaper boy, the milkman, the mailman, and others are the helpers.

**HELPFUL HENRY (IH)**

i-j-h-c-a 20 minutes B&amp;W: \$2.15

A comedy with a Hollywood cast. Depicts an amusing and philosophical story of a city chap who is won over by farm life and finally decides to buy one and settles down on it. The manner in which he is won over provides an interesting insight into the farmer's life.

**HELPING CHILDREN DISCOVER ARITHMETIC (WU)**

c-a 15 minutes B&amp;W: \$3.65

Depicts the progress of an average third grade class from the introduction of an arithmetic process new to them, to a point where the pupils understand and are able to work problems relating to the process. Utilizes the "discovery" method.

**HELPING IN THE CARE OF YOUNGER CHILDREN (C)**

j-h 10 minutes B&amp;W: \$2.15

Shows a teen-age girl helping in the care of her younger brother and sister. Illustrates the basic needs of children as affection, encouragement toward self-help, approval, security and safety, as well as a routine of proper food, rest and play.

**HELPING TEACHERS TO UNDERSTAND CHILDREN: PART I (USIA)**

h-c-a 22 minutes B&amp;W: \$3.15

Depicts the work of the Institute for Child Study at the University of Maryland. Shows how the Institute guides a school in setting up a local child study program.

**HELPING TEACHERS TO UNDERSTAND CHILDREN: PART II (USIA)**

h-c-a 25 minutes B&amp;W: \$3.15

Describes a summer workshop conducted at the Institute for Child Study at the University of Maryland.



**HELPING THE CHILD TO ACCEPT THE DO'S (EB)**

**h-c** 11 minutes **B&W: \$2.15**  
Shows how the child's personality is influenced by socially established patterns of behaviors for personal living, for both sexes and for human relations.

**HELPING THE CHILD TO FACE THE DON'TS (EB)**

**h-c** 11 minutes **B&W: \$2.15**  
Shows how the child's personality develops as he conforms in his own way to restraints imposed by society. Illustrates restrictions which protect the child from danger, those which prevent him from taking things that belong to others and those which teach him to respect the rights of others.

**HEN HOP (NFBC)**

**j-h-c-a** 4 minutes **Color: \$1.90**  
An animated fantasy inspired by a very primitive type of barn dance music. Simple geometric elements build themselves up rhythmically into the shape of a hen.

**HENRY MOORE (BIS)**

**h-c-a** 28 minutes **B&W: \$4.65**  
Pictures the sculptor in his country studio. Shows many examples of his work, including the bronze statue created especially for the Festival of Britain.

**HENRY WADSWORTH LONGFELLOW (EB)**

**j-h** 17 minutes **B&W: \$4.15**  
Portrays events in the life of Longfellow—events which made secure his place in the world of literature. Describes his early love for poetry and his life as a teacher, scholar, and poet. Interposes selections from his poems and depicts incidents which inspired him to write several of his best known works.

**HERE COMES THE BAND (McGH)**

**general** 20 minutes **B&W: \$3.65**  
The story of the University of Michigan band. Film reveals how candidates are chosen and reports on the band's collection of music and instruments. Rehearsals and production numbers executed on the field at football games are also presented.

**HERE COMES THE CIRCUS (UW)**

**p-i-j-h** 11 minutes **B&W: \$1.65**  
Shows the great parade, daring acrobats, thrilling jumps, and famous clowns of the Cole Brothers Circus.

**HERE IS THE GOLD COAST (BIS)**

**j-h-c** 30 minutes **B&W: \$4.65**  
West Africa is meeting the challenge to catch up with the modern world. In the Gold Coast, cities like Accra have progressed rapidly, but the hinterland is still primitive and poor. The British Government has allotted fourteen million dollars for the development and welfare of the colony.

**HERE KITTY (COF)**

**p-i** 12 minutes **B&W: \$2.15**  
Queenie, the cat, narrates her life story and tells of the adoption and treatment of her and her kittens by a kind family.

**HEREDITY (EB)**

**j-h** 11 minutes **B&W: \$2.15**  
Explains schematically the transmission of hereditary factors responsible for inherited characteristics in animals. Illustrates, with animated drawings and composite photography, the processes of mitosis and meiosis when cattle of one-unit characters are mated. Describes character dominance by portraying results of mating guinea pigs of one-unit and then of two-unit characters.

**HEREDITY AND ENVIRONMENT (C)**

**j-h-c** 11 minutes **B&W: \$2.15, Color: \$3.40**  
Shows that heredity gives us certain basic capabilities, and environment determines the extent and direction of our use of those capabilities. An overview of cultural inheritances, genetics, environmental influences, and other interrelationships is presented.

**HEREDITY IN ANIMALS (BETTER BREEDS) (UW)**

**j-h** 10 minutes **B&W: \$2.15**  
Explains Mendel's laws of heredity and how inherited characteristics are handed on from generation to generation. Presents examples of inheritance of one or more physical characteristics, complete and incomplete dominance, and recombination.

**HERITAGE (McGH)**

**j-h-c-a** 9 minutes **B&W: \$2.15**  
Defines the natural rights of man and indicates how these rights can be maintained.

**HERITAGE OF INDIA (PF)**

**j-h-c-a** 10 minutes **B&W: \$1.50**  
India's varied cultures are visualized through visits to important buildings, including the conservatory built in Delhi in the 17th century by Jai Singh, and the famed Taj Mahal.

**HERITAGE WE GUARD, THE (NWLA)**

**i-j-h-c** 30 minutes **B&W: \$3.65**  
Traces the early exploitation of wildlife for hides and skins, gradual westward movement of trappers and settlers, and thoughtless exploitation of the land for ever-increasing crops which finally resulted in denudation, soil erosion, and disastrous dust storms. Shows the interrelation of wildlife and soil conservation, and steps taken to restore and conserve our natural resources. Unusually beautiful photography of bird and animal life. This is one of the finest motion pictures ever made on behalf of conservation and the preservation of our wildlife and other natural resources.

**HEROISM OF CLARA BARTON, THE (YOU ARE THERE) (CBS)**

**j-h-c-a** 27 minutes **B&W: \$5.65**  
A great woman and the founder of the American Red Cross. Unrestrained devotion and courage on the battlefield at Antietam Creek in the Civil War was a light which guided other women to do what they could for the men who suffered injuries in this and other terrible wars to follow.

**HICKORY STICK, THE (IFB)**

**c-a** 28 minutes **B&W: \$5.65**  
The purpose of this film is to show that a good teacher doesn't need a hickory stick to build character. It shows that with firmness and understanding, the teacher can help children to control their feelings and to accept authority. The story in this film takes place in a fifth-grade classroom and shows how the teacher maintains an orderly atmosphere for learning and helps the children cope with their problems.

**HIDDEN EARTH, THE (PLANET EARTH SERIES) (McGH)**

**j-h** 27 minutes **Color: \$7.00**  
The structure of the solid earth is analyzed. The dynamic quality of the "solid earth" is demonstrated through analysis of earthquakes and volcanoes. Application of seismology to the study of other planets is introduced.

**HIDDEN MENACE (USDA)**

**h-c-a** 22 minutes **Color: \$2.15**  
A graphic film story of the menace of pests and diseases that can be unwittingly carried from one country to another. Those already brought into the United States from foreign shores cost billions of dollars annually, adding to the price of every agricultural product we use or eat. The film points out ways pests and diseases hitchhike with the millions of persons entering or returning to the U.S. every year and shows what Mr. and Mrs. Traveler can do to help both customs inspectors and American agriculture.

**HIGH ARCTIC: LIFE ON THE LAND (EB)**

**j-h-c-a** 22 minutes **Color: \$7.45**  
Reveals a unique and fascinating ecological study of life on the bleak Arctic coastal lands of Canada, where the defenseless survive merely by numbers and where—in a short summer—plants do not have time to blossom; where nature, in providing for the species, is impartial.

**HIGH FLYERS (UW)**

**p-i-j** 9 minutes **B&W: \$2.25**  
Bud and Lou bail out of a plane with one parachute and it is the fall of the year so they decide to take flying lessons. They press the wrong button and fly through the hanger into the wild blue yonder.

**HIGH JUMP (C)**

**j-h** 9 minutes **B&W: \$2.15**  
The side roll and belly roll are demonstrated by regular, slow and stop-motion photography. Eight exercises are included for the development of the muscles and special skills involved in the high jump. The film also shows training for the high hurdles, and stresses the importance of body rhythm.



**HIGH JUMP (TRACK AND FIELD INSTRUCTION SERIES) (RF)**

j-h-c 13½ minutes B&W: \$2.60  
Shows principles of the high jump. The technique is shown through the analysis of championship-type jumps. With the aid of slow motion, the essential points of form are made vivid. In the film we work with an inexperienced candidate and put him through the drills needed to acquire good form.

**HIGH PLAIN (CIAA)**

j-h-c-a 20 minutes B&W: \$2.15  
A typical great agricultural estate in the highest farming land in the world: Bolivia. A landlord, whose family has owned his land for three hundred years, is pictured in his control of the labor of five thousand workers. Shows the life in this little kingdom with its own schools and churches, its limited and hard-won crops.

**HIGH SCHOOL PROM (C)**

j-h 15 minutes Color: \$5.00  
Illustrates the steps in making preparations for a high school prom. Shows proper etiquette while attending and the accepted procedures following a formal social function. Asking for a date, making introductions, behaving creditably, dining out, and all other aspects of the exciting event are included.

**HIGH SCHOOL READING TRAINING FILMS (SILENT) (ISU)**

j-h 6 minutes each B&W: \$1.50 each  
A series of 14 films designed to help the high school student attain a faster rate of reading. Each film is a complete lesson accompanied with a comprehension test. The reading material is presented on the screen in such a way that the student is forced to read at a certain rate. The films are: Intrepid Airman, Johnny Appleseed, The Story of Spice, Fine Feathered Fiend, Kentucky Treasure, Montezuma's Wonderful Waters, Judge Bean and Sasparilla, Sources of Sweets, The Magic of Sterling, Mass Production, Snake King, Real Cougar, One Bank They Didn't Rob, and Bunyan Was Here First. Films should be used in the sequence listed.

**HIGH SCHOOL: YOUR CHALLENGE (C)**

j-h 14 minutes B&W: \$2.65  
High school is the place where you learn to face problems and meet situations that will come to you later in life. This film is designed primarily to help handle the drop-out problem and to make high school more meaningful for all.

**HIGH WALL, THE (McGH)**

general 30 minutes B&W: \$4.90  
An analysis of the kind of background that fosters discrimination and antisocial attitudes. A frustrated, insecure boy, whose home life allowed him no freedom to develop as a normal person, has become conditioned to hate any person or group different from him or his group. A film intended for those who are interested in the real emotional and mental attitudes behind intolerance.

**HIGHLANDS OF THE ANDES—PERU (UW)**

i-j-h 22 minutes B&W: \$3.90  
We see the difference in the kind of life led by the Peruvian Indian doing his best to eke out a bare subsistence from meager crops and few domestic animals, and the Indians who work in the operations of the mines. This film takes us right into the copper mines at Cerro de Pasco, virtually at the "top of the world."

**HIGHLIGHTS OF THE UNITED NATIONS, 1947-48 (UNFD)**

general 10 minutes B&W: \$1.65  
Brings the reality of the everyday achievements of the UN to light—the unspectacular cooperative work among nations that goes on in the areas of health, relief, food, and agriculture, and the care of children and displaced persons.

**HIGHLIGHTS OF THE UNITED NATIONS, 1950 (UNFD)**

general 10 minutes B&W: \$1.65  
Shows the construction of the UN Building in New York. Pictures the delegate from the USSR walking out, the beginning of the Korean War, and peace moves.

**HIGHWAY DRIVING (FMC)**

h-c-a 17 minutes B&W: \$2.65  
The need for safe driving on our streets and highways has never been greater. Shows correct driving techniques under all types of road conditions. Explains the problems of highway driving.

**HIGHWAYS NORTH (NFBC)**

general 18 minutes B&W: \$2.65  
A picture of development in Alaska and the Canadian Northwest, showing how the vast problems of communication and transportation were solved. A chain of flying fields has been established from Edmonton to the Yukon, helping to drive a great spearhead of civilization through territory which only yesterday was still unknown.

**HILL CAPITAL, THE (CE)**

j-h-c-a 27 minutes B&W: \$4.15  
First motion picture record of the interior of the Sabre Tooth Relic, a Buddhist shrine of Kandy, Ceylon. Shows brief glimpses of Ceylon, Ceylon University, primitive farming and industrial methods, native dances, religious ceremonies and the beautiful pageant of Para Hara.

**HILL TOWNS OF GUATEMALA, THE (OIAA)**

j-h-c-a 11 minutes B&W: \$2.15, Color: \$2.65  
Market of Chichicastenango and a village on Lake Atitlan. Indians' daily life, crafts, clothing, and age-old customs.

**HINDU FAMILY (EB)**

i-j 11 minutes B&W: \$2.15  
A story centering around the marriage of a young girl living in the province of Gujarat, India. Dramatically illustrates important aspects of Hindu life including school, home, clothing, and preparation of a meal. Depicts the village goldsmith, potter, and weaver at their work, and emphasizes the role of religious ceremony in the daily lives of the people.

**HISTOIRE DE POISSONS (FRENCH FILM READER SERIES) (IFB)**

j-h-c-a 14 minutes B&W: \$2.15  
The Martin family have reached St. Aignan-sur-Cher for the holiday. Martin and Roger plan to go fishing and assure Mrs. Martin that there will be fish for dinner. However, there is a guest for dinner and Mrs. Martin prudently buys a large fish at the market. So do Charles and Martin, each unknown to the other. French dialogue.

**HISTORIC NEW ENGLAND (SM)**

j-h 20 minutes B&W: \$4.15  
The historic landmarks of six New England States are shown. Brief views and resumés of the types of industry found today are given.

**HISTORIC ST. PAUL'S (BIS)**

general 18 minutes B&W: \$2.65  
St. Paul's Cathedral, past and present, as it was rebuilt by Sir Christopher Wren after the Great Fire of London. We see St. Paul's too, as the shrine of a nation's heroes—Nelson, Wellington, Roberts, Kitchener, Jellicoe, and Beatty. The film shows recent historic occasions and the great dome riding above the blitz of 1940.

**HISTORIC VIRGINIA (TFC)**

general 10 minutes B&W: \$1.65  
A very complete travelogue of the historic state of Virginia, in which the commentator points out the historic significance of landmarks, accomplishments of personalities portrayed, and the relationship of early Colonial times to national progress. *Restricted to classroom use.*

**HISTORY BROUGHT TO LIFE (TFC)**

j-h-c-a 9 minutes B&W: \$1.50  
Shows the work done by Hollywood research experts in bringing accuracy of mood and detail to motion picture versions of historical periods. Top stars appear in this film narrated by Cecile B. DeMille. *Restricted to Classroom Use.*

**HISTORY IN YOUR COMMUNITY (C)**

i-j 14 minutes B&W: \$2.80, Color: \$4.15  
History is all about us. This is what a number of eighth grade students discover when they begin to look, read and ask about the history of their community. An old elm tree, an abandoned well, and early tombstone inscriptions assume historical significance as the students learn that their community's history is part of the history of our country. Their method of historical exploration can be adopted by any group.

**HISTORY OF AVIATION (WDP)**

general 18 minutes Color: \$6.15 per day  
The story of our pioneer "bird men" . . . from the experiments at Kitty Hawk to the dawn of the modern airplane. Full animation reveals the vital role of aviation in war and peace. Two days—\$9.15. One week—\$15.15.



**HISTORY OF THE HELICOPTER (CAA)**

**i-j-h-c** 22 minutes **B&W: \$2.15**  
 The film traces briefly but adequately the historical development of the helicopter beginning with Leonardo da Vinci's plan for such a craft. By means of slow motion photography, it demonstrates the helicopter's principle of operation. Some of the most recent and promising domestic and foreign helicopter designs are portrayed as well as an excellent overview of the commercial and military uses to which the helicopter is being put.

**HISTORY OF THE IATSE (IATSE)**

**h-c-a** 30 minutes **B&W: \$3.15**  
 Tells the story behind the organization and struggles of a union for the benefit of actors and stage hands. From the beginning of the International Alliance of Theatrical Stage Employees in the later part of the 19th century to the present day, it was a rough road to follow with many people and things against the Alliance. All phases of the theatrical world are members of this powerful union. It covers people from the actors down to the person in the box office.

**HISTORY OF WRITING (EB)**

**h-a** 27 minutes **B&W: \$5.15**  
 Shows ways in which writing evolved from pictures and signs. Explains that symbols for objects and ideas became symbols for sounds. Analyzes significant features of early Chinese, Mesopotamian, and Egyptian writings. Stresses contributions of Phoenicians, Greeks, and Romans to our present alphabet. Short version also available: *Writing Through the Ages*.

**HIT AND RUN DRIVER (TFC)**

**j-h-c** 21 minutes **B&W: \$3.15**  
 Points out the menace of the hit-and-run driver, the tragedies that come as a result of his existence, and the manner in which the law works to discover his identity. *Restricted to Classroom Use*.

**HITCHHIKERS (UW)**

**p-i** 7 minutes **B&W: \$1.70**  
 Gandy has a trailer but no car. He hitchhikes a tow and the driver is a dog of the worst type. The dog deserts Gandy and steals his trailer. Ferocious mosquitoes attack, wild battle, and hilarious tricks catch up with the dog.

**HITLER INVADES POLAND (YOU ARE THERE) (CBS)**

**j-h-c-a** 27 minutes **B&W: \$5.85**  
 September 1, 1939, Hitler's Nazi armies invade Poland and overwhelm the brave but outnumbered Polish forces on the ground and in the air. A tragic event that leads inevitably to the declaration of war by Great Britain and France on September 3rd.

**HITS OF THE NINETIES (UW)**

**general** 9 minutes **B&W: \$1.65**  
 The Rhythm Masters sing as words appear on the screen. Songs are: *Somebody Loves Me*; *I'll Take You Home Again, Kathleen*; *After the Ball Is Over*; *When You Were Sweet Sixteen*; and *Ta ra ra Boom-de-A*.

**HITTING IN BASEBALL (EB)**

**j-h** 11 minutes **B&W: \$2.15**  
 Professional players demonstrate each essential detail of effective batting. Describes three accepted methods for gripping the bat, proper stance, and the correct and accepted "swing." Slow-motion, stop-motion, and close-up photography add to the effectiveness and superimposed drawings help in clarifying difficult techniques.

**HOAX OF THE CARDIFF GIANT, THE (YOU ARE THERE) (CBS)**

**j-h-c-a** 27 minutes **B&W: \$5.65**  
 One of the greatest deceptions in history is brought to light on February 2, 1870, with the confession of this hoax. The men who found this "prehistoric petrified giant" finally admitted that it was a ruse to gain publicity and money.

**HOAXTERS, THE (TFC)**

**h-c-a** 21 minutes **B&W: \$3.15**  
 The film opens with a snake-oil salesman who promises that his medicine will cure all physical ailments. Like the carnival pitchmen, Hitler, Mussolini and Tojo are shown hood-winking their people with false social and political panaceas. The history of Russian-American relations is traced through cycles of hostility and professed friendship since 1917. Throughout these shifts and changes of course, Russian policy is shown to have as its unswerving goal the dominance and overthrow of the democracies. *Restricted to classroom use*.

**HOG CHOLERA—AFRICAN SWINE FEVER, A COMPARISON (USDA)**

**h-c-a** 25 minutes **Color: \$2.15**  
 African swine fever, often called wart hog disease, a highly fatal disease of swine in Africa, is described. Shows the autopsy of several swine affected with hog cholera. A comparison of the similarity and the differences in the pathology of hog cholera and African swine fever is made. Primarily for veterinarians.

**HOG CHOLERA CONTROL—THE STORY OF ROVAC (LED)**

**h-c-a** 24 minutes **Color: \$2.15**  
 Describes hog cholera control with the use of Rovac (rabbit origin—vacuum dried), a modified live virus vaccine.

**HOG-O-MATIC MARVEL (UI)**

**h-c-a** 4 minutes **B&W: N.C.**  
 At the swine farm of the University of Illinois, an experimental hog house which contains automatic waterers, feeders, feed blender, and floor cleaner is depicted.

**HOG SENSE (UPRR)**

**j-h-c-a** 30 minutes **Color: \$2.15**  
 Shows how to raise profit producing hogs from sanitary, sound procedures. Proper feed surroundings, housing, and breeding methods are illustrated. Minute attention is given to the watering, drainage, and other less well known aspects of hog raising. Selection and breeding is stressed.

**HOLD 'EM COWBOY (OF)**

**i-j-h** 10 minutes **B&W: \$1.70**  
 Pictures rodeo time for the prairie cowboy. Includes cowboy clowns, calf-roping, bull-dogging a steer, trick riding, and bronco-busting by girls.

**HOLIDAY FOR DANNY (McGH)**

**p-i-j** 18 minutes **B&W: \$3.65**  
 A city boy visits a farm for the first time, and he finds a wonderland of nature.

**HOLIDAY FROM RULES (POR)**

**p-i** 10 minutes **B&W: \$2.25**  
 Dramatizes fulfillment of a wishful dream by four children—that of being able to live without rules or adult authority. On an imaginary island alone they soon discover the impossibility of playing games or doing anything requiring group cooperation without rules, and realize the advantages of having adult help when problems or emergencies arise.

**HOLIDAY IN JAPAN (JTA)**

**i-j-h** 22 minutes **Color: \$6.90**  
 Colorful festivals at various places throughout Japan including Hokkaido, Honshu, Skikoku, and Kyushu.

**HOLIDAY IN NASSAU (PAA)**

**j-h-c-a** 27½ minutes **Color: \$6.30**  
 A middle-aged couple takes their niece to Nassau in the Bahamas for a holiday. They take a flight over Miami and see the islands enroute to Nassau. There is a wide variety of entertainment including sailing, skiing, swimming, fishing, dancing, bicycling, and shopping in the beautiful stores with their tourist treasures. Paradise Beach is shown with its wide expanse of sandy beach. Pictures glamorous restaurants with delightful food which is a must for any holiday.

**HOLIDAY LAND (OF)**

**p-i** 8 minutes **B&W: \$1.50**  
 A cartoon of holiday cheer as Scrappy finds himself in a world of holidays. Pictures Christmas, Easter, New Year's Day, and many other days of gladness.

**HOLLAND (THIS WORLD OF OURS SERIES) (IFI)**

**i-j-h** 10 minutes **Color: \$2.65**  
 Takes a trip through modern Holland with its industries and economical development. Visits Amsterdam's diamond cutting industry, a cheese market, and the Hague.

**HOLLAND AND THE ZUIDER ZEE (TFC)**

**i-j-h** 10 minutes **B&W: \$1.65**  
 Describes life in Amsterdam and on the adjacent farm lands. Shows the market place, the dykes, the town hall, the dairy industry, the peasant costumes, and the activities of the people. *Restricted to Classroom Use*.



**HOLLYWOOD MATADOR (WOODY WOODPECKER) (UW)**

**p-i-j** 10 minutes **B&W: \$1.65**  
Woody Woodpecker fights a bull.

**HOLMES, EMERSON, AND THOREAU (MORT)**

**h-c-a** 11 minutes **Color: \$3.15**  
Historical landmarks in New England connected with the lives of these three authors. The birthplace and later home of each author is shown, as well as his grave. Photographed in Boston and Concord, Massachusetts.

**HOLY LAND, THE: BACKGROUND FOR HISTORY AND RELIGION (C)**

**j-h-c** 11 minutes **B&W: \$2.15, Color: \$3.40**  
This film presents scenes where important historical events took place. Maps and beautiful natural scenes show the relationship of Jerusalem, Nazareth, the Lake of Galilee, the River Jordan, Jericho, Mount Nebo, and other places of ancient history and Biblical literature.

**HOLY ROMAN EMPIRE, THE (C)**

**h** 13½ minutes **Color: \$4.80**  
Photographed in Europe in authentic locales, this film brings color and authenticity to the thousand-year history of the Holy Roman Empire. It describes how an enormous section of western Europe was united under the idea of a single Christian government. Costumed re-enactments with dialogue dramatize the division of powers and conflict between the Popes and the Emperors and the factors which led to the eventual decay of the Empire.

**HOME AND FAMILY (PRP)**

**i-j** 10 minutes **B&W: \$2.15**  
Covers the activities of three typical families of Mexico: a poor family, a middle class family, and a wealthy family. Compares the problems and responsibilities of each family group.

**HOME AT THE WHEEL (GM)**

**h-c-a** 18 minutes **B&W: \$3.10**  
Helpful hints on driving in heavy traffic, making left-hand turns, how to park, from the woman's viewpoint. Emphasizes the qualities which women possess because of their experience in managing the home, which can make them gracious and skillful automobile drivers.

**HOME COOKERY OF FISH (EB)**

**j-h-c** 10 minutes **B&W: \$2.15**  
Presents three basic methods for cooking fish at home: boiling, broiling, and baking. Fish used in the demonstrations are cod fillet, halibut steak, and whole dressed whitefish. Also included are the uses of sauces and garnishes.

**HOME ELECTRICAL APPLIANCES (EB)**

**j-h-c** 11 minutes **B&W: \$2.15**  
Explains the common heating and motor appliances in the home. Scientific principles are stressed in the operations of the thermostatic controls, fluorescent lighting, and electric refrigeration. Animated drawings illustrate alternating currents throughout the film.

**HOME MANAGEMENT: BUYING FOOD (McGH)**

**h-c-a** 11 minutes **B&W: \$2.15**  
Emphasizes the preparation of a grocery list and points out the dangers of "impulse" buying. Shows the advantages and disadvantages of quantity buying. Points out the use of frozen foods, guiding factors in purchasing meats, the importance of cooking skill, and the preparation of less expensive meat.

**HOME MANAGEMENT: WHY BUDGET (McGH)**

**h-c-a** 11 minutes **B&W: \$2.15**  
Discusses the importance of the budget to individuals and families of all income levels. Explains what the budget is, how it is set up in relation to needs and income, and what is to be gained by following a well-planned budget.

**HOME NURSING (EB)**

**j-h-c** 11 minutes **B&W: \$2.15**  
Demonstrates the proper procedures in caring for the sick in the home. Shows the ways of bathing and moving the patient in bed, arranging the bed, and making the patient generally comfortable. Also describes the techniques of taking and recording temperature, pulse and respiration rates, giving medications, and helping the patient gradually regain strength during convalescence.

**HOME NURSING: FUNDAMENTALS (C)**

**j-h-a** 14 minutes **B&W: \$2.90**  
Shows such nursing techniques as arranging the sick room, making the bed, taking morning care, giving medicine according to doctor's instructions, washing and serving the patient as well as suggestions on convalescent care.

**HOME OF THE FRENCH CANADIANS—ST. LAWRENCE RIVER LOWLANDS (UW)**

**i-j-h** 20 minutes **B&W: \$3.40**  
Where the climate makes it possible, low fertile land along rivers makes good farm land. When settled by people with a common language, religion, and other ethnic ties, river lowlands tend to maintain their cultural homogeneity for long periods of time. The picture demonstrates how these principles operate. The lower St. Lawrence River is wide and navigable, with fertile land on both sides. Farm life in this valley reflects the influence of French culture. The cool, moist climate is good for dairying. Nearby cities such as Quebec and Montreal help to make this type of occupation profitable.

**HOME SAFE HOME (NSC)**

**general** 11 minutes **B&W: \$1.65**  
Shows common causes of accidents in typical American homes. Every member of the family can help to avert tragedy. Shows correct and incorrect uses of the kitchen range, electrical appliances, precautions to be exercised on stairways, etc.

**HOMESPUN (IFI)**

**i-j-h-c-a** 21 minutes **Color: \$6.15**  
Tells the story of a 70-year old Swedish woman who, after her children grew up, turned to weaving and spinning that she had learned as a child in Sweden. In a simple direct way, she makes apparent something of the Scandinavian spirit in the United States.

**HOMEWORK: STUDYING ON YOUR OWN (C)**

**j-h-c** 10 minutes **B&W: \$2.15**  
Illustrates certain necessary homework skills—finding a place and time to study, scheduling and arranging projects according to materials needed for study, and developing the habits of studying "on your own."

**HONDURAS—YUCATAN (PFI)**

**i-j-h-c** 10 minutes **Color: \$3.40**  
Gives the background of all central American Indians; the Mayan culture and science; shows modern Honduran education, and tells something of the raising of bananas and hennequin.

**HONEST TRUTH (McGH)**

**j-h** 5 minutes **B&W: \$1.65**  
Asks the question of whether an honest judgment is better than tactful evasion of criticism in situations where one's feelings may be hurt. A high school editor of a school paper defends his right to print an objective review of a popular but untalented student's performance in a high school play. Audience is invited to discuss the issue.

**HONEST WOODSMAN, THE (C)**

**p-i** 10 minutes **B&W: \$2.15**  
Specially created puppets are employed in this version of the well-known fable.

**HONEYBEE (EB)**

**i-j-h** 11 minutes **B&W: \$2.15**  
Development of the honeybee with emphasis on the roles of the workers, the queen, and the drones. Egg, larvae, and cocoon stages in the lives of the workers are shown. Metamorphosis of the queen, including a fight to death with a rival queen, is shown. Swarming, the building of a new comb, and honey making follow in natural sequence.

**HONEYBEE (A SOCIAL INSECT) (C)**

**i-j-h-c** 6 minutes **Color: \$2.40**  
Stresses the highly developed social structure of the hive. Explains the bees' cycle and their value to man.

**HONEYMAKERS (UM)**

**i-j-h-c-a** 16 minutes **Color: \$5.50**  
The honeybee's life cycle, from the queen laying the egg until the adult worker, drone, or queen emerges. Depicts all of the activities of the hives from the gathering of the honey and nectar to swarming.



**HONG KONG (THIS WORLD OF OURS SERIES) (IFI)**

i-j-h 9 minutes Color: \$3.10  
Shows major historical, industrial, geographical and scenic highlights.

**HOODOO (McGH)**

h-c-a 18 minutes B&W: \$3.85  
Illustrates the superstitions which many Americans hold—Black cats, Friday the 13th, walking under ladders, the ace of spades, etc. Many still believe in the powers of rabbit's feet, June weddings, lucky charms, crystal balls, horseshoes, and four leaf clovers.

**HOOVER DAM (UW)**

h-c-a 30 minutes B&W: \$3.90  
The building of Hoover Dam on the Colorado River—an engineering achievement resulting in irrigation water for the farmers, electrical power for industry, and better living for all the people of the Southwest. A lesson in conservation of natural resources and in democratic cooperation.

**HOPI INDIAN, THE (C)**

p-i-j 10 minutes Color: \$3.15  
Unusual scenes of a tribal wedding ceremony, household activities of the women, and the outdoor activities of the men. Includes the geography of their territory, tribal functions, and arts and crafts.

**HOPI INDIAN ARTS AND CRAFTS (C)**

i-j-h-a 10 minutes Color: \$3.15  
Weaving, silversmithing, basket making, and pottery making are all shown in detail. Records the skill and patience required in these rapidly disappearing native arts.

**HOPI INDIAN VILLAGE LIFE (C)**

p-i 11 minutes Color: \$3.40  
Pictures the Hopi Indians and their mode of living as it exists today, and makes clear the changing character of their life. As we observe them at their daily work, we are able to recognize a blending of the old and the new way of life.

**HOPPITY POP AND MARCHING THE COLORS (NFBC)**

i-j-h-c-a 5 minutes Color: \$3.00  
Two experimental films show how color and music can harmonize.

**HOPPY, THE BUNNY (BACKGROUND FOR READING AND EXPRESSION) (C)**

p-i 11 minutes B&W: \$2.15, Color: \$3.40  
This story of a bunny who lives in the woods is told within the framework of a primary classroom situation and leads to follow-up study activities. One morning the bunny meets his friends, the raccoon and owl, and for the first time sees life on a farm. He meets chickens, pigs, and tame white rabbits. After being chased by a dog, he returns home safe and sound.

**HORACE MANN (EB)**

j-h 18 minutes B&W: \$4.15  
Episodes in the life of the "father of the common schools." Reviews his activities as teacher, lawyer, state senator, board of education member, and college president. Emphasizes his great work in pointing up the need for well-built schools, good textbooks, democratic methods of learning, schools for teachers, and universal education in the United States.

**HORIZONS UNLIMITED (AMA)**

h-c-a 18 minutes B&W: \$2.15  
Transportation is one of the major factors in a nation's development. This film, showing our highway transportation in operation, reveals the part played by the motor vehicle in America's national economy.

**HORSE AND ITS RELATIVES (C)**

p-i 11 minutes B&W: \$2.15  
We are shown the saddle horse, draft horse, pony, burro, zebra, and tapir.

**HORSE IN NORTH AMERICA, THE (UC)**

j-h-c 23 minutes Color: \$7.00  
Traces the horse from its prehistoric ancestor through fifty million years of evolution. Modern horses are shown in breeds which were developed in the old world and later brought to the western hemisphere. These breeds include the Arabian, English thoroughbreds, Shetland ponies, and others.

**HORSE RAISING (F)**

i-j 11 minutes Color: \$2.90  
Film is a good illustration of man's greatest work partner, the horse. The points of a fine horse, the importance of proper treatment, and the importance of correct bits, bridles, and harnesses are shown.

**HORSEMEN OF THE PAMPAS—ARGENTINA (UW)**

i-j-h 20 minutes B&W: \$4.15  
A visit to a large cattle ranch showing the daily work of the gauchos, cattle shipments, and the home life of the working people and large landowners. Points out the similarity between Argentine and Texas ranch life.

**HORSEMEN OF THE WESTERN TRAILS (EB)**

p-i 8 minutes B&W: \$1.65  
Shows a glimpse of "Western" life with horses in action, cowboys and cowgirls on the open range, and honeymooners crossing the Rocky Mountains on horseback.

**HORSEPOWER (JH)**

j-h-c 8 minutes B&W: \$2.15  
What is meant by the term horsepower, how it originated, and how it applies to the automobile are explained. We go back to the days of James Watt's experiments to show just how much weight a horse could be expected to lift in a given length of time. The horsepower unit was used to determine the amount of work that could be expected from Watt's steam pump in comparison with horse operated pumps. The film shows how the horsepower of automobile engines has been increased.

**HORSES AND BOTS (USDA) (SILENT)**

j-h-c 30 minutes B&W: \$1.50  
This U.S.D.A. film shows the three types of botflies, how they attack and render horses and mules useless for work, methods of treatment, and how eradication campaigns are carried out.

**HOT ICE (SF)**

j-h-a 9 minutes B&W: \$2.15  
Shows the growing-up of a sport—ice hockey. The development of hockey, from "shinny" on the school pond to the excitement at the Garden, as Toronto and the Rangers clash in the "fastest game on earth."

**HOT SANDS (UW)**

p-i 6 minutes B&W: \$1.70  
Canine honeymoon on the desert. Doggy bride and groom go spying on Ali Baba, and they hear the magic "Open Sesame." When Ali Baba and his 40 thieves leave the secret cave, the pups try the password; at the same time, the thieves return. The pups are rolling in riches but they are also in great danger.

**HOUSE I LIVE IN, THE (McGH)**

j-h 10 minutes B&W: \$2.15  
Frank Sinatra stars in a dramatic appeal for tolerance. He impresses a group of boys with the real meaning of democracy for all.

**HOUSE OF MERCY (McGH)**

h-c-a 14 minutes B&W: \$3.85  
When a father learns that his boy has been injured playing ball, he visits the hospital for the first time, and when he learns his son is to receive expert attention and will soon be up, he tours the various departments and learns how scientifically and efficiently the staff works.

**HOUSE OF ROTHSCHILD, THE (TFC)**

h-c-a 28 minutes B&W: \$5.15  
Tells the story of the part played by the famous banking house in financing the campaigns of the allied powers against Napoleon, and highlights the importance of finance in warfare. *Restricted to Classroom Use.*

**HOUSE OF SEVEN GABLES, THE (TFC)**

j-h-c-a 41 minutes B&W: \$6.15  
A shortened version of the feature film of the same title, based on a novel by Nathaniel Hawthorne. Tells the story of a man who is wrongly accused and convicted of the murder of his uncle. The uncle died of natural causes but a thieving brother gave false testimony and had him imprisoned so that he could obtain the family estate. Vincent Price and George Sanders are in the starring roles. *Restricted to Classroom Use.*



**HOUSEFLY (EB)**

**i-j-h** 17 minutes **B&W: \$3.45**  
Shows the four stages of the fly's life cycle and the fly's activities as a carrier of disease germs. Illustrates effective means for eliminating its menace with emphasis upon community action and control.

**HOW A BILL BECOMES A LAW (PF)**

**j-h-a** 14 minutes **B&W: \$3.40**  
A step-by-step visualization of the parts played by the ordinary citizen, his legislators, and the chief Executive in the making of our laws.

**HOW A COLOR WOOD ENGRAVING IS MADE (H) (SILENT)**

**j-h-c-a** 34 minutes **Color: \$5.90**  
Meta Handel shows the method and tools used in transferring her original painting to color wood engraving.

**HOW A FISHING PEOPLE LIVE (KB)**

**i-j-h** 9 minutes **B&W: \$2.15**  
This is a story of primitive people who depend almost entirely on the sea for a livelihood. It shows the tragedy which befalls them when the fish catch fails. Story takes place around North Pacific Waters.

**HOW A HUNTING PEOPLE LIVE (KB)**

**i-j-h** 10 minutes **B&W: \$2.15**  
The Mongol people of Siberia—their economy, geography, and way of life.

**HOW A SCIENTIST WORKS (EDH)**

**i-j-h** 15 minutes **Color: \$4.80**  
The role of the scientist at work is portrayed in a demonstration of work on a conservation project. This project involves wild geese and the procedure that is followed is: 1. make observations, 2. keep multiple records, 3. refer to books, 4. consult authorities, 5. test and reject ideas, 6. use imaginative thinking.

**HOW AN AIRPLANE FLIES: PART I—LIFT (CAA)**

**h-c-a** 12 minutes **B&W: \$2.15**  
Explains that the action of air passing over a wing section is an extension of the principle of the Venturi tube. It shows how the changes in air pressure upon the upper and lower surfaces of the wing create the upward force which keeps the airplane in the air. It also demonstrates the relation of the angle of the wing to the amount of lift obtained.

**HOW AN AIRPLANE FLIES: PART II—DRAG (CAA)**

**h-c** 14½ minutes **B&W: \$2.15**  
Deals with the resistance of the air to the forward movement of the airplane and shows that streamlining and a small frontal area will minimize "parasite drag" and that a long narrow wing will cut down "induced drag." "Skin friction" is also effectively demonstrated.

**HOW AN AIRPLANE FLIES: PART III—THRUST (CAA)**

**h-c-a** 5 minutes **B&W: \$2.15**  
Illustrates the reaction principle from which this force is derived and shows how it is applied to the airplane.

**HOW AN AIRPLANE FLIES: PART IV—FORCES IN BALANCE (CAA)**

**h-c-a** 8 minutes **B&W: \$2.15**  
Deals with the relationship between the forces of lift, drag, thrust, and weight which act on an airplane in flight. Shows how balanced forces acting in the right places are necessary in order to fly at constant speed, straight and level, and how it is applied to the airplane.

**HOW AN AIRPLANE FLIES: PART V—STABILITY (CAA)**

**h-c** 10 minutes **B&W: \$2.15**  
An airplane in flight can be unstable, neutrally stable or stable. An airplane should tend to return to normal flight if it is pitched, rolled or yawed. This film shows how complete stability can be achieved.

**HOW AN AIRPLANE FLIES: PART VI—CONTROLS (CAA)**

**h-c** 9½ minutes **B&W: \$2.15**  
Shows how we can use controls to modify straight and level flying and go where we want. It explains how an airplane is

pitched up or down by using the elevators. It then shows how rolling and banking are achieved by ailerons, and how the use of the rudder in combination with the other controls make efficient turning possible.

**HOW ANIMAL LIFE BEGINS (UW)**

**h-c** 9 minutes **B&W: \$1.50**  
Short version of *IN THE BEGINNING*, portrays the ovulation, fertilization and early development of the mammalian egg.

**HOW ANIMALS DEFEND THEMSELVES (McGH)**

**i-j-h** 10 minutes **B&W: \$2.15**  
Deals with the way in which animals have become adapted for protection against other animals and nature. Examples of protection or defense mechanisms are shown—speed and agility, tough shells and hides, sharp claws and beaks, camouflage and mimicry.

**HOW ANIMALS EAT (McGH)**

**p-i-j** 10 minutes **B&W: \$2.15**  
Explains the concept of how animals have become adapted for food-getting in order to survive. Deals with such special food-getting adaptations as teeth, claws, beaks, poison mechanisms, webs, and others.

**HOW ANIMALS HELP US (OBSERVING THINGS ABOUT US) (C)**

**p** 10 minutes **B&W: \$2.15, Color: \$3.40**  
Illustrates the usefulness of animals to man—as providers of clothing, food, companionship, protection, transportation, and as help in working.

**HOW ANIMALS LIVE IN WINTER (C)**

**p-i** 10 minutes **Color: \$3.40**  
Winter scenes of birds, a snowshoe rabbit, raccoon, badger, skunk, and deer are compared with some views of these animals at other times to introduce such concepts as migration, hibernation, and protective coloration.

**HOW ANIMALS MOVE (McGH)**

**p-i-j** 9 minutes **B&W: \$2.15**  
Deals with the way in which animals are adapted for moving about in order to get food and to survive.

**HOW BILLY KEEPS CLEAN (C)**

**p** 10 minutes **B&W: \$2.15, Color: \$3.40**  
Billy discovers the skills involved in, and the relationship of, cleanliness to proper health habits. Intended to show boys and girls how to keep themselves clean and to motivate interest in keeping clean by explaining why cleanliness is important to good living.

**HOW BIRDS HELP US (C)**

**p-i** 10 minutes **Color: \$3.40**  
Jack believes all birds are pests like the crows in his garden. Looking around, however, he observes that birds help us in many ways such as providing us with food, destroying harmful insects and rodents, eating weed seeds, and giving us pleasure with their bright colors and happy songs.

**HOW DISEASE TRAVELS (UW)**

**i-j** 11 minutes **Color: \$2.60**  
Animation is used to explain that harmful microbes are spread by water, air, insects, and personal contacts. Shows why measures must be taken to stop the spread of disease at its source, and that sanitation, and sometimes even isolation, is necessary to prevent further infection. A Walt Disney Production.

**HOW DO YOU DO (McGH)**

**j-h** 14 minutes **B&W: \$3.40**  
Points out how we get more enjoyment out of life by being sure of ourselves in social situations, and demonstrates the rules to be observed in introducing and meeting people.

**HOW DO YOU KNOW IT'S LOVE? (C)**

**h-c-a** 14 minutes **B&W: \$3.40**  
The purpose of this film is to give young people a basis for thinking clearly about "being in love." It is shown that the mere feeling of attraction is not enough for a happy marriage. The film further explains that there are certain factors that can help one judge whether or not one's love is mature. It shows how love grows through normal, typical stages. It lays the basis for understanding, discussion, insight and judgment of this problem which affects all young people.



## HOW DO YOU ZOO (SF)

**p-i** 10 minutes **B&W: \$1.65**  
Animals in the St. Louis Zoo—bears, monkeys, elephants, and many others—are pictured.

## HOW EFFECTIVE IS YOUR READING (C)

**j-h** 10 minutes **B&W: \$2.15**  
This film will help improve reading habits, for faster reading and for better comprehension. Skimming for overview; fast reading for general understanding; slow, careful reading for precise information, and other important techniques are presented to help the student in various reading situations with different types of materials.

## HOW ELECTRICITY IS PRODUCED (DPP)

**i** 10 minutes **Color: \$3.60**  
Explains that electricity is produced in three ways: by friction, by chemical action, and by magnetic action. A historical sequence depicts Faraday discovering the principle of an induced current. A simple demonstration with a small magneto generator further clarifies the principles of current electricity. Main part of the film, photographed at a hydro-electric plant, shows how mechanical energy is converted into electrical energy, using the principle discovered by Faraday.

## HOW FRIENDLY ARE YOU (C)

**i-j** 10 minutes **B&W: \$2.15**  
The manners by which young people cultivate friends are often obscured by the artificial bonds of belonging to a clique or school "crowd." This picture presents some of the value of being friendly and encourages the broadening of one's range of friends. Friendliness is shown to be a two-way proposition involving generosity, consideration, and a sincere interest in other people.

## HOW GREEN PLANTS MAKE AND USE FOOD (C)

**j-h-c** 10 minutes **Color: \$3.40**  
Stressing the concept that all living things depend directly or indirectly on food made by green plants, the film shows the factors required by green plants for life and growth: sunlight, carbon dioxide, water, and soluble minerals. Also described is the process of photosynthesis, by which chemical compounds are combined and changed within the plant to make food.

## HOW GREEN PLANTS MAKE FOOD (UW)

**i-j** 14 minutes **Color: \$4.70**  
Through animation, micro-photography, and live action, we see how green plants make food in the process of photosynthesis.

## HOW GREEN WAS MY VALLEY (TFC)

**j-h-c-a** 33 minutes **B&W: \$4.65**  
This shortened version of the feature film based on Richard Llewellyn's novel, tells the story of the boy Hugh, who remembers Wales when it was green and not overrun with mines. This is a shocking presentation of some of the vast sociological problems brought about through industrialization. *Restricted to Classroom Use.*

## HOW HONEST ARE YOU? (C)

**j-h** 14 minutes **B&W: \$3.15**  
Students usually understand that honesty is a good virtue. In some situations, honesty is a much deeper problem, and it is this type of situation that is analyzed in this film. From it, audiences are able to draw certain conclusions about what honesty is and how a person may apply the test of honesty to his thoughts and actions.

## HOW INSECTS HELP US (C)

**p-i** 10 minutes **Color: \$3.40**  
When Bill and Jack go fishing they become aware of many useful insects. Some are valuable because they destroy others that are harmful. Some are food for fish and birds. Bees carry pollen and make honey. Silk worms and others are beautiful and fascinating to observe.

## HOW LIVING THINGS CHANGE (C)

**j-h** 10 minutes **Color: \$3.40**  
Man is able to effect changes in plants and animals, but living things have themselves been slowly changing for millions of years. Explanations offered for these changes include the major evolutionary theories of Lamarck, Darwin, and de Vries, which are examined, illustrated, and compared.

## HOW MACHINES AND TOOLS HELP US (C)

**p** 10 minutes **B&W: \$2.15, Color: \$3.40**  
This film explains ways we make work easier by using muscles efficiently, harnessing natural forces, and building engines.

## HOW MAN MADE DAY (C)

**i-j** 10 minutes **Color: \$3.40**  
A history of artificial light that includes the use of kindle-lights, teapot lamps, candles, and shows some of the problems encountered in lighting the city streets. The development of the Argand Lamp and the gas burner is covered. The film ends with the introduction of fluorescent artificial lighting.

## HOW MANY STARS (MIS)

**j-h-c** 10 minutes **B&W: \$2.15**  
The study of space and material universe is approached through the age-old question—how many stars are there?

## HOW MATERIALS ARE CHANGED (UW)

**i-j** 14 minutes **Color: \$4.70**  
This film considers important characteristics and properties of substances. It introduces concepts relating to structure of matter, elements and compounds, chemical change.

## HOW MUCH AFFECTION (McGH)

**h-c-a** 19 minutes **B&W: \$4.65**  
How much affection should there be between a couple that is going steady? How far can young people go in petting and stay within the bounds of social morals and personal standards? This film is intended to stimulate frank and constructive discussion among young people.

## HOW NATURE PROTECTS ANIMALS (EB)

**i-j-h** 11 minutes **B&W: \$2.35, Color: \$3.80**  
Describes ways by which animals conceal themselves, either for the purpose of protection, or as a means of securing food. Examples are given of natural protection through fleetness of foot, mimicry, protective coloration, armor and secluded homes. Included are: rabbit, raccoon, giraffe, tiger, lion, zebra, goat, pheasant, looper caterpillar and the bee hawk moth.

## HOW NOT TO CONDUCT A MEETING (GM)

**h-c-a** 10 minutes **B&W: \$1.65**  
Colonel Stoopnagel burlesques the common errors and omissions frequently encountered in luncheon meetings, including poor acoustics, poor ventilation, interruptions, and inadequate planning.

## HOW OUR BODIES FIGHT DISEASE (EB)

**i-j** 8 minutes **B&W: \$2.15**  
Gives an imaginative demonstration of our body's ability to prevent and to fight disease. Live photography and animation show the three lines of defense—skin and mucous membranes, lymph system, and the blood.

## HOW OUR COUNTRY GREW (PRP)

**i-j-a** 10 minutes **B&W: \$2.15**  
The contributing factors that have caused the growth and development of cities are included in this film. Those factors shown are the improvement of farming techniques, the development of power-operated machines, improved and faster means of transportation, the improved services by the cities themselves, and medical science and hygiene's role.

## HOW PATROLS OPERATE (AAA)

**i-j** 14 minutes **B&W: \$3.15**  
Sets forth in detail what safety patrol members need to know and specifically how to do each part of the job. Provides a basis for standardization of procedure.

## HOW PLANTS HELP US (OBSERVING THINGS ABOUT US) (C)

**p-i** 10 minutes **B&W: \$2.15, Color: \$3.40**  
As Steve bicycles to his uncle's farm, he observes the plants and the ways in which they are helpful.

## HOW PLANTS REPRODUCE (YA)

**i-j-h** 10 minutes **B&W: \$2.15**  
Explains the functions and parts of the flower, the fruit, and the seed.

## HOW QUIET HELPS AT SCHOOL (C)

**p-i** 11 minutes **B&W: \$2.15**  
Primary grade children, who see the fun of making noise on the playground, see the importance of being quiet in the library, in the classroom, when talking together, working on group projects, and when walking about their room.



**HOW RAYON IS MADE (AVC)**

j-h 14 minutes B&amp;W: \$2.15

Shows detailed steps in manufacture of both rayon and acetate, starting with raw material, to finished yarn and staple fiber.

**HOW RUSSIANS PLAY (IFF)**

i-j-h-c-a 12 minutes B&amp;W: \$3.65

We see the Russian people in amusement parks, zoos, theaters, museums, and art galleries. They are observed on excursions, at camps, bathing, and on mountain hikes. The popular Russian game, Gorodki, and Russian soccer are illustrated. The International Youth Day Celebration which is staged annually is shown.

**HOW SEEDS ARE SCATTERED (YA)**

p-i 11 minutes B&amp;W: \$2.35

Illustrates many ways in which seeds are dispersed by wind, water, and animals.

**HOW SUNSHINE HELPS US (C)**

p 11 minutes B&amp;W: \$2.35

Because he is sunburned, Jack thinks it might be better if there weren't any sunshine. But this film shows him that sunshine gives us warmth and light; helps make rain which supplies water to plants and animals; and enables green plants to grow, providing food for us and for useful animals.

**HOW TELEVISION WORKS (UW)**

j-h-c-a 11 minutes B&amp;W: \$2.15

Explains the elementary principles of television. Animated sequences explain the workings of the TV camera, the vacuum tubes, the flow of electrons into the mosaic and the amplifying and receiving systems, the transmitting aerial and the home television set.

**HOW THE ANIMALS DISCOVERED CHRISTMAS (C)**

p-i-j 12 minutes Color: \$4.20

Velvet the Fawn comes upon Bluebird with a broken wing. As Old Doc Owl, Buttons the Squirrel, Inky the Crow, Grumbles the Bear, and the other animals of Cozy Valley find ways of helping Bluebird, they also discover the spirit of Christmas. Colorfully filmed in animation, this warm tale will delight children.

**HOW THE DESERT PEOPLE LIVE (KB)**

i-j-h 11 minutes B&amp;W: \$2.15

Deals with life among the wandering tribes of the Sahara Desert and the people of the deserts of Turkestan and Gobi. In conclusion a battle between a caravan and a sand storm is shown.

**HOW THE EYE FUNCTIONS (KB)**

j-h-c 11 minutes B&amp;W: \$2.15

The film presents facts regarding "accommodation," or focal adjustment of the eyes. This is preceded by introductory anatomical matter and illustrated by means of animated drawings.

**HOW THE RESPIRATORY SYSTEM FUNCTIONS (BR)**

j-h-c 10 minutes B&amp;W: \$2.15

Explains air passages and their functional purposes. Mechanism of breathing, action of the ribs and diaphragm are shown by animation. Necessity of proper posture, exercise, plenty of fresh air and rest are emphasized.

**HOW THE WATER CYCLE WORKS (UW)**

i-j 14 minutes Color: \$4.70

Live action, animation, and art are combined to clarify concepts concerning the water table and how the water cycle works.

**HOW TO ADD FRACTIONS (JHP)**

i-j-h 11 minutes B&amp;W: \$2.15

Covers the subject matter area of a brief review of the definition of a fraction, how to add fractions which have a common denominator, how to add fractions which do not have a common denominator.

**HOW TO ALTER YOUR SKIRT PATTERN (SEW EASY SERIES #5) (AL)**

j-h-c-a 14 minutes B&amp;W: \$2.15

Explains how to take skirt measurements and how to change the skirt pattern so that a perfect fit will be assured without alteration or fitting.

**HOW TO ALTER YOUR WAIST PATTERN (SEW EASY SERIES #6) (AL)**

j-h-c-a 12 minutes B&amp;W: \$2.15

Shows how to take blouse measurements and how to change the blouse pattern so that a perfect fit will be assured without fabric alteration or fitting.

**HOW TO ATTACH YOUR COLLAR (SEW EASY SERIES #13) (AL)**

j-h-c-a 14 minutes B&amp;W: \$2.15

Shows how to match the collar to the garment neck edge, clip the neck edge of the garment for perfect fit, and trim the seams, turning, etc.

**HOW TO AVOID MUSCLE STRAINS (BR)**

h-c-a 14 minutes B&amp;W: \$3.15

Using live models and animated drawings, this film illustrates the mechanics of muscular activities. Show the analogy between the three types of levers and certain arrangements of bones and muscles in the human body. Shows the correct and incorrect ways of lifting objects and illustrates the effects of overstrain on the vertebral column. Concluding section deals with the difficult subject of hernias.

**HOW TO BE WELL GROOMED (C)**

j-h 10 minutes B&amp;W: \$2.15

Shows how two young people improve their personal appearance through attention to good grooming. Demonstrates to students the four fundamentals of appearance: good health, good posture, cleanliness, and neatness. The students will realize that in friendships and in business, success depends a great deal on good grooming.

**HOW TO BEND LIGHT (EB)**

i-j 11 minutes Color: \$3.80

Visual devices and demonstrations show how light can be reflected and bounced off objects and explains how mirrors, prisms, and lenses can be used to bend light.

**HOW TO BUILD AN IGLOO (McGH)**

i 10 minutes B&amp;W: \$2.15

A demonstration of igloo building in Canada's far North. Shows how the site is selected and how the blocks of snow are used. Two eskimos staying overnight at a trading post construct an igloo. Explains why the snow must be carefully chosen, why the blocks are built up in a spiral, and how the igloo is ventilated.

**HOW TO CATCH A COLD (KC)**

general 10 minutes Color: \$5.50

Shows how colds are spread, how a day or so in bed helps protect the entire community, and how a simple cold may actually be the first symptom of a far more serious illness.

**HOW TO CHANGE FRACTIONS (JHP)**

i-j-h 11 minutes B&amp;W: \$2.15, Color: \$3.40

Covers the following subject matter—a definition and demonstration of equal fractions, an explanation of how to find an equal fraction with higher terms, an explanation of how to find an equal fraction with lower terms, and a demonstration of lowest terms.

**HOW TO CONCENTRATE (C)**

j-h-c-a 11 minutes B&amp;W: \$2.15

With understanding of how to concentrate, much can be done to overcome the bad effects of distractions. Audiences will learn, for example, to select one thing upon which to concentrate and to give it full attention. Then by following other "habits" the ability to give proper attention to a task will be developed.

**HOW TO CONDUCT A DISCUSSION (EB)**

h-c-a 22 minutes B&amp;W: \$4.15

Clearly explains some of the basic principles which discussion leaders can use in order to insure effective and satisfying group discussion. Each principle is dramatized simply and forcefully.

**HOW TO CONDUCT A MEETING (UW)**

h-c-a 22 minutes B&amp;W: \$2.65

Proper procedure to be followed in conducting a meeting so that the decisions reached will be representative of majority opinion.



## HOW TO CUT OUT YOUR DRESS (SEW EASY SERIES #7) (AL)

**j-h-c-a** 14 minutes **B&W: \$2.15**  
Demonstrates the proper way to lay the altered pattern on the fabric and how to transfer pattern markings.

## HOW TO DEVELOP INTEREST (C)

**j-h** 10 minutes **B&W: \$2.15**  
Developing interest is not only a teacher's job—but also the responsibility of individual class members. Demonstrates how responsibility can be met. It will help answer many practical classroom problems; but more, it can lead to more rich and meaningful study.

## HOW TO DIVIDE FRACTIONS (JHP)

**i-j-h** 10 minutes **B&W: \$2.15**  
Explains the meaning of division. It then gives the rule used in dividing by a fraction and shows examples of the proper use of this rule.

## HOW TO DRAW CARTOONS: ANIMALS (LFI)

**j-h-c-a** 17 minutes **B&W: \$3.15**  
This lesson shows how to draw cats, dogs, horses, donkeys, lions, tigers, etc., in cartoon style.

## HOW TO DRAW CARTOONS: COMPOSITION AND STORY (LFI)

**j-h-c-a** 9 minutes **B&W: \$2.15**  
Tells how to weave cartoon characters and their actions into a story.

## HOW TO DRAW CARTOONS: FIGURES (LFI)

**j-h-c-a** 17 minutes **B&W: \$3.15**  
An artist gives pointers on drawing basic cartoon figures.

## HOW TO DRAW CARTOONS: HANDS, FEET, AND CLOTHING (LFI)

**j-h-c-a** 17 minutes **B&W: \$3.15**  
How many moods and expressions in a cartoon character are created by hands, feet and clothing.

## HOW TO DRAW CARTOONS: HEADS AND EXPRESSIONS (LFI)

**j-h-c-a** 17 minutes **B&W: \$3.15**  
Cartoon figures really can show life and expression. This film shows you how to do it.

## HOW TO DRAW CARTOONS: IN ACTION (LFI)

**j-h-c-a** 10 minutes **B&W: \$2.15**  
Shows how to make cartoon figures portray action.

## HOW TO FIND THE ANSWER (MATHEMATICAL PROBLEM SOLVING) (C)

**j-h** 10 minutes **B&W: \$2.15**  
Encourages a systematic attack on mathematical problems both in and out of school. Offers students an excellent exercise that can be utilized in solving problems in any subject. Here is presented and demonstrated a clearly defined procedure for working out problems after they have been established.

## HOW TO FLY (CAA)

**i-j** 10 minutes **B&W: \$2.15**  
Depicts novices receiving instructions on how to fly. Attention is given to describing the parts and instruments of an airplane and how they function.

## HOW TO GET COOPERATION (C)

**j-h-c-a** 10 minutes **B&W: \$2.15**  
The film shows how cooperation from others can be enlisted if certain basic considerations are made. The techniques for securing cooperation are demonstrated, while showing how desired ends can be reached more easily with cooperation of others.

## HOW TO GET FABRIC READY FOR SEWING (SEW EASY SERIES #4) (AL)

**j-h-c-a** 14 minutes **B&W: \$2.15**  
Explains why it is essential for the horizontal and vertical threads in fabrics to be at right angles to one another, and how to handle fabric that is printed off grain in order to insure that the garment will fit and hang beautifully.

## HOW TO GET READY TO SEW (SEW EASY SERIES #8) (AL)

**j-h-c-a** 14 minutes **B&W: \$2.15**  
Explanation of the unit construction method of sewing, and the preparation of the machine and supplies and attachments for the actual sewing.

## HOW TO GIVE AND TAKE INSTRUCTIONS (C)

**j-h** 10 minutes **B&W: \$2.15**  
The importance of being able to take and follow instructions and to give them clearly and precisely is illustrated. The five basic skills necessary for clear and effective communication are explained.

## HOW TO HAVE AN ACCIDENT AT WORK (WDP)

**h-c-a** 8 minutes **Color: \$3.15**  
Donald Duck shows how carelessness is the major cause of industrial accidents.

## HOW TO HAVE AN ACCIDENT IN THE HOME (WDP)

**i-j** 10 minutes **Color: \$3.15**  
Many kinds of accidents that can happen in the home are due to carelessness. All sequences in the film are portrayed by Donald Duck, an average citizen. The film illustrates the many accidents that can happen due to carelessness and taking chances.

## HOW TO HEM YOUR DRESS (SEW EASY SERIES #21) (AL)

**j-h-c-a** 14 minutes **B&W: \$2.15**  
Shows hem standards and the methods of handling various types of skirts. Discusses problems involved with bulky material skirts, with pleats, and with coat-style dresses. Various hemming stitches are taught.

## HOW TO IMPROVE YOUR HOUSE (EB)

**j-h** 11 minutes **B&W: \$2.15**  
Outlines standards for healthful, comfortable, and pleasant housing; demonstrates simple, practical ways for improving homes to meet these standards. Suggests six important services any house should offer and mentions economical methods for providing them. Stresses a need for community planning as well as for individual home improvement.

## HOW TO INVESTIGATE VOCATIONS (C)

**h** 10 minutes **B&W: \$2.15**  
Intended to motivate youngsters to investigate vocations and determine for which kinds of work they are best suited. How to interpret vocational guidance tests, how to apply this information to different vocations, how to raise questions related to a specific job, and how to gain actual job experience are shown and explained.

## HOW TO JUDGE AUTHORITIES (C)

**j-h** 10 minutes **B&W: \$2.15**  
This film interests students in the conflict which they will inevitably find between the opinion of different authorities on the same subject. Although authorities differ, their opinions are of great value in coming to a conclusion on any problem.

## HOW TO JUDGE FACTS (C)

**j-h** 9 minutes **B&W: \$2.15**  
Will help students distinguish between pure opinion and the actual facts about the things that they learn in school as well as in the world about them.

## HOW TO KEEP A JOB (C)

**h-c-a** 11 minutes **B&W: \$2.15**  
Job success means getting along with fellow-workers, doing your job properly, having a "proper" attitude toward supervisors and the employing company, and several other factors.

## HOW TO MACHINE ALUMINUM (USBM)

**j-h-c** 30 minutes **B&W: \$2.15**  
Depicts the different alloys of cast and wrought aluminum and the effect of alloying, heat treating, and cold working on the machinability of alloys. Gives instructions on the use of hand tools and machine tools.

## HOW TO MAKE A BUTTONHOLE (SEW EASY SERIES #15) (AL)

**j-h-c-a** 14 minutes **B&W: \$2.15**  
A demonstration of the buttonhole attachment, the measuring and cutting of buttonholes, and the proper method of sewing buttons with a shank.



**HOW TO MAKE A LINOLEUM BLOCK PRINT (BFS)**

j-h-c-a 12 minutes Color: \$3.65

Use of linoleum block printing for Christmas cards, home furnishings and clothing. A card is made showing the planning, transferring, cutting and printing of a mounted block. Also shows how to use mounted or unmounted blocks on cloth and paper.

**HOW TO MAKE A MASK (BFS)**

j-h-c-a 10 minutes Color: \$3.40

Demonstrates four elementary steps in making a mask—shaping the mold, making the papier mache mask over the mold, removing the mask from the mold and painting it, and adding decorations. Techniques toward achieving unique expressions by exaggerating facial features are pictured. Finished masks are shown and their purposes discussed.

**HOW TO MAKE A PUPPET (BFS)**

j-h-c-a 11 minutes B&amp;W: \$2.15

Shows the construction of the head and hands of the puppet from plasticine, application of papier mache, painting, designing the costumes, sewing, and controlling the puppet from the stage. While several kinds of puppets are shown, the audience is challenged to find original ideas for creating puppets to fit particular needs.

**HOW TO MAKE A SHAWL COLLAR (SEW EASY SERIES #14) (AL)**

j-h-c-a 14 minutes B&amp;W: \$2.15

Shows the technique involved in making the shawl collar which is an integral part of the blouse front. The shawl collar is very popular and fashionable, but very few women know how to recognize or make it.

**HOW TO MAKE A SILK SCREEN PRINT (AF)**

h-c-a 21 minutes B&amp;W: \$3.95

The step-by-step procedures of making a multi-color screen print. Shows original sketch, preparation of silk and paints, use of squeegee, pro-film tusche and liquid tusche print making.

**HOW TO MAKE A SIMPLE LOOM AND WEAVE (EB)**

general 16 minutes Color: \$4.90

Shows how to make an inexpensive loom, use inexpensive materials to create patterns, and proper care and use of tools. Explains and illustrates the four basic steps in a weaving project—making the frame of the loom; adding nails for the warp string; stringing the loom; weaving with a variety of materials.

**HOW TO MAKE A SLEEVE (SEW EASY SERIES #17) (AL)**

j-h-c-a 14 minutes B&amp;W: \$2.15

Defines the standards of a good sleeve with emphasis on the smooth rounded cap, underarm ease, proper grain positioning, and the cuff.

**HOW TO MAKE A STARCH PAINTING (EB)**

general 14 minutes Color: \$4.50

An easy-to-follow demonstration of starch painting—a flexible and inexpensive art medium which offers unlimited possibilities for creative craft projects. The four basic steps involved in starch painting are clearly illustrated: cutting cardboard designs; covering glazed paper with boiled or prepared starch; adding tempera paint; experimenting with cut cardboard designs and other materials.

**HOW TO MAKE AND USE DIORAMAS (McGH)**

c-a 20 minutes Color: \$6.65

Construction of the diorama framework and preparation of miniature scenes. Shows work done by students and teachers with suggestions on effective techniques and materials.

**HOW TO MAKE BELTS AND BUCKLES (SEW EASY SERIES #24) (AL)**

j-h-c-a 14 minutes B&amp;W: \$2.15

Accessories make the dress, and this film explains how to make the belts and buckles, and how to cover buttons for use on a truly distinctive garment.

**HOW TO MAKE COLLARS (SEW EASY SERIES #12) (AL)**

j-h-c-a 14 minutes B&amp;W: \$2.15

Shows the construction of the various parts of a collar, and the actual making of the collar with interfacing, corner-clipping and trimming.

**HOW TO MAKE HANDMADE LANTERN SLIDES (IU)**

j-h-c-a 19 minutes Color: \$5.35

The basic production techniques for eight types of handmade lantern slides are featured. Teachers demonstrate how to make the types of slides most appropriate for use on various grade levels. Many suggestions concerning sources of content materials and uses for the various slides are also presented.

**HOW TO MAKE PAPIER MACHE ANIMALS (BFS)**

i-j-h-c-a 11 minutes B&amp;W: \$2.15

Shows the steps for making various animals from newspaper and string by pasting paper strips over a form, painting, decorating, and shellacking the animals. Illustrates their use in displays, mobiles, table decorations, carnivals, and for toys.

**HOW TO MAKE POCKETS (SEW EASY SERIES #19) (AL)**

j-h-c-a 14 minutes B&amp;W: \$2.15

Shows the making of several different kinds of pockets from the severely tailored to the patch pocket.

**HOW TO MAKE POTATO PRINTS (BFS)**

general 12 minutes Color: \$3.65

Shows how to cut, paint, and stamp potato prints on paper. Variations of texture, form, and color with different types of paper and varied uses for finished prints are shown. The care of tools is explained.

**HOW TO MAKE QUALITY CONCRETE (PCA)**

c-a 33 minutes Color: N.C.

Testing methods for quality concrete as well as the development of different types of concrete used in varied construction projects are illustrated. Water-concrete ratios are discussed in great detail, and pressure, stress, and weathering tests are shown. Use of aggregates and the reliability of the many types of aggregates now in use are discussed.

**HOW TO MAKE YOUR DRESS SKIRT (SEW EASY SERIES #20) (AL)**

j-h-c-a 14 minutes B&amp;W: \$2.15

Shows the actual stitching of seams, stay-stitching the upper edge of the skirt and pocket seam, transferring pocket markings and pleat markings, placing of darts, tucks, and gathers, and inserting of the pleat.

**HOW TO MAKE YOUR WAIST BACK (SEW EASY SERIES #10) (AL)**

j-h-c-a 14 minutes B&amp;W: \$2.15

Making darts, tucks, gathers, joining the shoulder seam, matching of seam lines at the armhole, and putting in the zipper are demonstrated.

**HOW TO MAKE YOUR WAIST FRONT (SEW EASY SERIES #9) (AL)**

j-h-c-a 14 minutes B&amp;W: \$2.15

The actual stay-stitching, interfacing, dart making, and seam lines to be used in making a waist front are explained and demonstrated.

**HOW TO MATCH PLAIDS (SEW EASY SERIES #25) (AL)**

j-h-c-a 14 minutes B&amp;W: \$2.15

Shows simple techniques for making the designs of a fabric line up properly in the various parts of the garment, such as sleeves, pockets and collars.

**HOW TO MEASURE FOR YOUR DRESS (SEW EASY SERIES #1) (AL)**

j-h-c-a 14 minutes B&amp;W: \$2.15

Explains how every woman can learn her critical measurements, so she may alter her pattern and make her complete dress without stopping for fittings, alterations, ironing, etc.

**HOW TO MULTIPLY FRACTIONS (JHP)**

i-j-h 10 minutes B&amp;W: \$2.15

A brief review of the meaning of multiplication, a presentation of the rule for multiplying fractions, and an explanation of why the rule works.

**HOW TO OBSERVE (C)**

j-h 10 minutes B&amp;W: \$2.15

Demonstrates the importance of observation as basic to learning the sciences and the arts. Students are shown that observation can be developed as a skill and improved through applied and guided practice. The "tools" for observation are presented.



## HOW TO OPERATE MIMEOGRAPH DUPLICATOR 91 (BEF)

**h-c-a** 20 minutes **B&W: \$3.15**  
Shows the preparation of stencils on the typewriter, the use of the illuminated drawing board or mimeoscope, the operation of the mimeograph duplicator in all its phases, the care of the machine, and samples of excellent reproduction.

## HOW TO PREPARE A CLASS REPORT (C)

**j-h** 11 minutes **B&W: \$2.15**  
A procedure is outlined that is applicable to almost any kind of oral or written report. The procedure is to review one's own interests for subject matter, remembering those of the audience; going to the library for reliable source material; utilizing personal experiences; and sorting out and organizing what one has found.

## HOW TO PUT A SLEEVE IN A DRESS (SEW EASY SERIES #18) (AL)

**j-h-c-a** 14 minutes **B&W: \$2.15**  
Demonstration of a difficult procedure made easy through pin basting and notch matching prior to distributing the ease. Sewing in the sleeve, and the way of pressing the sleeve in the dress for the finishing touch are also shown.

## HOW TO PUT IN A ZIPPER (SEW EASY SERIES #23) (AL)

**j-h-c-a** 14 minutes **B&W: \$2.15**  
Shows standards for a good packet and the simple easy way in which this amazing fastener can be installed inconspicuously and smoothly.

## HOW TO READ A BOOK (C)

**j-h** 10 minutes **B&W: \$2.15, Color: \$3.40**  
Selection of a book involves several considerations: What information do we need? What questions do we want answered? What does the book offer that will contribute to our knowledge and understanding? Many other details are brought out, including: the author's attitude; key ideas—where to look for them and how to use them in rapid reading; the index; footnotes and references; when to read quickly and when to read with greater care.

## HOW TO READ NEWSPAPERS (C)

**j-h** 11 minutes **B&W: \$2.15**  
The film shows how to scan the headlines to pick out the stories you are interested in, what the "lead" of the story is, and what to look for in it. How to go through the whole paper—not just one or two sections.

## HOW TO REMEMBER (C)

**j-h** 11 minutes **B&W: \$2.15**  
Here are six important rules to help you remember. The setting of this film is one familiar to everyone. Adults, as well as students, can profit by learning how to eliminate the "waste" of forgetting.

## HOW TO RIVET ALUMINUM (USBM)

**j-h-c** 25 minutes **B&W: \$2.15**  
Shows complete instructions on preparing rivet holes, fastening the joints, and heating the rivets under controlled temperature.

## HOW TO RUN A LATHE: GRINDING CUTTER BITS (SBL)

**j-h-c-a** 22 minutes **Color: \$4.15**  
Illustrates how to grind cutter bits for various lathe operations including rough and finish turning, facing, and thread cutting. The adjustment of the tool post and the action of the tool when making a cut are also shown.

## HOW TO RUN A LATHE: METAL WORKING LATHE (SBL)

**j-h-c-a** 20 minutes **Color: \$4.15**  
Introduces the student to the standard backgeared screw cutting lathe by familiarizing him with the name of each principal lathe part, its purpose and operation. Ideally suited for beginners.

## HOW TO RUN A LATHE: PLAIN TURNING (SBL)

**j-h-c-a** 20 minutes **Color: \$4.15**  
Clearly illustrates all operations involved in the machining of a shaft held between centers. It teaches many of the basic procedures followed in all lathe work. Among these are blueprint reading, measuring with calipers and micrometers, locating and drilling center holes, selecting the proper cutting tools, and rough and finish turning the work piece.

## HOW TO SAY NO (C)

**j-h** 10 minutes **B&W: \$2.15**  
Sometimes saying "no" is easy, but other times it is hard to say "no" without losing friends. The film presents a panel discussion group of teen-agers who discuss situations in which it is difficult to say "no." Shows some possible ways of resolving the problem.

## HOW TO SELL QUALITY (D)

**h-c-a** 30 minutes **B&W: \$8.90**  
Begins with a frustrated salesman at the point of quitting. He is shown that his trouble is his own failure to sell quality effectively and not the price. In a sequence of eye-opening experiences, he observes top-flight salesmen of quality products and services in action and is convinced that selling quality is the way to build a future in selling.

## HOW TO STUDY (C)

**j-h-c** 10 minutes **B&W: \$2.15, Color: \$3.40**  
Encouraging students to make efficient use of study time is perhaps one of the most perplexing problems facing secondary school education. This film is designed to motivate better study habits as well as give practical hints on study techniques.

## HOW TO SUBTRACT FRACTIONS (JHP)

**i-j-h** 10 minutes **B&W: \$2.15**  
How to subtract fractions which have a common denominator, how to subtract a fraction from a whole number, how to subtract fractions which do not have common denominators, and how to subtract a fraction from a mixed number are illustrated.

## HOW TO SUCCEED IN SCHOOL (YA)

**j-h** 11 minutes **B&W: \$2.15**  
A discussion of the attitudes and study skills that will help the student succeed in school.

## HOW TO TAKE A TEST (YA)

**i-j-h** 10 minutes **B&W: \$2.15**  
How to prepare for and take a test that will be a true measure of ability.

## HOW TO THINK (C)

**j-h** 14 minutes **B&W: \$3.55**  
The important elements of concentration, logic, observation, memory, imagination, and judgment are all presented as part of the correct "way to think."

## HOW TO TRANSPORT, PLACE, FINISH AND CURE QUALITY CONCRETE (PCA)

**h-c-a** 32 minutes **Color: N.C.**  
Demonstrates the best methods for transporting, placing, finishing, and curing quality cement. Shows cement being mixed and the vibrator being used.

## HOW TO TWIRL A BATON (McGH)

**j-h-c** 9 minutes **B&W: \$2.15**  
Roger Lee, former Chicagoland Festival winner, demonstrates his interpretations of nine twirling rudiments: Beating of Time, Salute, Wrist Twirl, Figure Eight, Two Hand Twirl, Backpass, Cartwheel, Finger Twirl, and Aerial Work.

## HOW TO USE YOUR MOVIE CAMERA (H) (SILENT)

**j-h-c-a** 15 minutes **B&W: \$1.65**  
Scenes show the type of material that can be obtained when the camera is correctly used. Fifteen essential principles are presented that cover the operation of the camera from the loading of the film until the last shot is taken and the film unloaded. The conclusion stresses simple backgrounds, the expression of an idea in the film, and sequencing.

## HOW TO WELD ALUMINUM—RESISTANCE WELDING (USBM)

**h-c-a** 11 minutes **B&W: \$2.15**  
Resistance welding is a method by which parts fabricated from aluminum sheet and extrusions are welded under heat and pressure. Through animation, the principle of two types of spot-welding machines are explained in detail.

## HOW TO WRITE EFFECTIVELY (C)

**j-h** 10 minutes **B&W: \$2.15**  
Demonstrates the important rules for effective writing and then proceeds to situations which help to make all writing effective. Material, audience, and purpose are offered as elements which must be considered. Discusses the factors involved in editing and offers a unique exercise in classroom participation.



**HOW TO WRITE YOUR TERM PAPER (C)**

**j-h** 11 minutes **B&W: \$2.15**  
Each student who sees this film has an opportunity to imagine himself writing the term paper which is assigned by the teacher at the beginning. By actually going through the mental processes involved in writing a term paper, students are given a great many helpful hints on the actual writing of the paper.

**HOW TREES HELP US (C)**

**p-i** 10 minutes **Color: \$3.40**  
Walking through the woods with his father, Wally sees different kinds of trees and beings to learn of the many ways trees help us by supplying lumber, food, and material for things we make. In the story of a mighty old oak, Wally realizes how very long it takes a tree to grow and how it is valuable throughout its life.

**HOW WATER HELPS US (C)**

**p-i** 10 minutes **B&W: \$2.25**  
When the water supply to his house is temporarily cut off, Dickie begins to understand how important water is for drinking, washing, and cooking. He realizes, also, that we use it for putting out fires, as a source of food, for transporting people and materials, for growing crops, and for recreation.

**HOW WE COOPERATE (C)**

**i** 10 minutes **B&W: \$2.15**  
Students learn here what cooperation is, the value to be derived from it, and they see some of the most important "settings" in which we should cooperate. The necessity of closeness of purpose, effort, and planning in cooperation is stressed.

**HOW WE ELECT OUR REPRESENTATIVES (C)**

**j-h-c** 11 minutes **B&W: \$2.15**  
Explained in this film is the functional basis of our democracy, the election system. Registration, primaries, electioneering, voting, methods of counting ballots, and the overview of the responsibility of voting intelligently to make our democracy work are presented.

**HOW WE EXPLORE SPACE (FA)**

**j-h** 19 minutes **Color: \$5.00**  
An introduction to the instruments astronomers use and to the methods by which they obtain information about the objects in space. Shows the telescope, camera, spectroscope, and photocell. Over time-lapse telescopic motion pictures of the moon, Mars, Jupiter, Saturn, and the sun, it presents many facts astronomers have discovered in their exploration of space.

**HOW WE GET OUR POWER (McGH)**

**i-j-h** 10 minutes **B&W: \$2.15**  
This film explains how all of our power comes from nature—from wind, water, fuels and the explosives.

**HOW WE HEAR (KB)**

**h-c** 11 minutes **B&W: \$2.15**  
A complete and comprehensive explanation of the entire ear structure and its mechanism.

**HOW WE KNOW THE EARTH MOVES (FA)**

**i-j** 11 minutes **B&W: \$2.35**  
This film demonstrates and explains the Foucault Pendulum by which the earth's rotation was first proved. The audience participates in an experiment that illustrates star shift, the method astronomers use to determine the earth's solar orbit.

**HOW WE KNOW THE EARTH'S SHAPE (FA)**

**i-j** 10 minutes **Color: \$3.60**  
The purpose of this film is to illustrate how scientific ideas may change when new discoveries are made, to explain why man's ideas about the shape of the earth have changed, to show how rockets and satellites are helping us to learn more about the shape of the earth, and to demonstrate the importance of accurate measurements.

**HOW WE LEARN (C)**

**j-h** 10 minutes **B&W: \$2.15**  
Analyzes the process of learning and shows the two components: readiness and materials. In most school situations, materials are easily available, and readiness—the proper mental condition—determines to a large extent the amount and rapidity of learning. The principles of readiness explained are: establish goals, cooperate and compete with others, work with your teachers, and see some sense in what you are doing.

**HOW WE SAVE WATER (BFS)**

**p-i-j** 10 minutes **Color: \$3.40**  
This film shows the entire process of bringing water from its source to the user. Included in the water cycle are dams, spreading basins, and pumping stations. The film shows why we shouldn't take our water for granted.

**HOW WE WRITE MUSIC (UIO)**

**general** 18 minutes **B&W: \$3.90**  
Shows how musical sounds are converted to a system of notation while groups of children of about the fourth-grade level demonstrate the playing of simple melodies.

**HOW WEATHER HELPS US (C)**

**p-i** 10 minutes **B&W: \$2.35, Color: \$3.40**  
How rainy, snowy, windy, and sunny kinds of weather are helpful to people, to plants, and animals. Pupils are also aided in identifying the types of clouds which indicate changes in weather.

**HOW WEATHER IS FORECAST (C)**

**i-j** 10 minutes **B&W: \$2.15, Color: \$3.40**  
This film shows the operation of a weather forecasting station, the instruments used to observe and record, the charting of weather maps, and forecasting. The importance of this forecasting to farmers, airplane pilots, fishermen, and the inhabitants of flood areas is discussed.

**HOW YOU SEE IT (JH)**

**j-h-c-a** 11 minutes **B&W: \$2.15**  
Tells the story of persistence of vision and how it makes motion pictures possible. Animated drawings show how the image of an object is transmitted by the optic nerve to the brain, and how the image fades instead of stopping abruptly when the object is removed from the field of vision. Application of the principle to a series of photographs makes them appear in a continuous unbroken motion.

**HOWARD (NFBC)**

**h-c-a** 27 minutes **B&W: \$5.15**  
The problems of the teen-ager caught in the crossfire of adult opinions and youthful enthusiasms. Howard, just out of high school was slated for college and a career as a chemist, but he wanted first to make a foot-loose tour of Canada with a school pal during his summer vacation. This suggestion, however, is strongly resisted by his socially conforming parents. Howard's resultant confusion, to which the film gives shape, illustrates some of the inner conflicts that arise in teen-agers when every fresh impulse is rationalized out of existence.

**HOWDY DOODY'S CHRISTMAS (UW)**

**p-i** 9 minutes **B&W: \$1.65**  
When Santa Claus doesn't arrive on Christmas Eve, Howdy Doody, Buffalo Bob, and Clarabelle the Clown rocket to the North Pole and find Santa held prisoner by Ugly Sam who mistakes him for a fugitive.

**HUMAN BEGINNINGS (ASF)**

**p-i-c-a** 22 minutes **Color: \$6.15**  
Designed for young children, parents, teachers, church leaders, and others who take an active part in the education and guidance of the child. The film is to help young boys and girls understand what happens in the home and hospital with the coming baby, and to develop a wholesome and happy relationship between the young child, the parents, and the baby.

**HUMAN BODY: CIRCULATORY SYSTEM (C)**

**j-h-c** 14 minutes **Color: \$4.00**  
The entire circulatory system is analyzed by means of animation, cinefluorography, drawings, and close-ups of live organs. Included are the heart, lungs, and kidneys; the key processes of the circulatory system and the network of arteries and veins that carry blood throughout the body. Significant terms are overprinted for emphasis.

**HUMAN BODY: EXCRETORY SYSTEM (C)**

**j-h** 14 minutes **Color: \$4.50**  
A study of the structure and functions of the excretory system is presented. The main organs of the system, the kidneys, are explained in detail. We learn that through the processes of filtration of wastes, and the re-absorption of needed nutrients, the kidneys carry on their main function—regulation of the composition of blood. The role of the skin in removing water from the body is also discussed.



**HUMAN BODY: THE DIGESTIVE SYSTEM (C)**

**j-h-c** 14 minutes **Color: \$4.15**  
 Animation, X-ray, and live action scenes of the major digestive organs give a detailed account of the function of this system—to break down chemically the complex nutrients, carbohydrates, proteins, and fats into simple food materials. The roles played by the salivary glands, esophagus, stomach, pancreas, liver, gall bladder, and small and large intestines are closely defined and related to each other.

**HUMAN BODY, THE: NERVOUS SYSTEM (C)**

**j-h-c** 14 minutes **Color: \$4.20**  
 This film study of the nervous system emphasizes the basic function of this system, its main organs, the various neurons of which these organs are composed, and the principal areas of the brain. Microscopic views of nerve tissue and a specimen of a human brain with animation and anatomical charts will help students visualize this complex system and gain a better understanding of its control of the body processes.

**HUMAN BODY: REPRODUCTIVE SYSTEM (C)**

**j-h** 16 minutes **B&W: \$2.90, Color: \$4.50**  
 Through animation and photomicrography, including the actual view of fertilization of a human ovum, the film presents clearly and accurately the structure and functions of the human reproductive system and the processes involved in the phenomenon of human birth. It is recommended that this film be shown to boys and girls in separate groups.

**HUMAN BODY, THE: RESPIRATORY SYSTEM (C)**

**j-h** 14 minutes **Color: \$4.80**  
 This film locates and describes the organs of the respiratory system, and shows in animation and live demonstration the mechanics of ventilation and the physics of diffusion between alveoli and capillaries. We see the effect on the respiratory system of varying needs for oxygen and eliminating carbon dioxide.

**HUMAN BODY: SKELETON (C)**

**j-h-c** 10 minutes **Color: \$3.40**  
 Uses cinefluorography to view the skeletal structure in action. Stresses the complexity of the system and shows how the skeleton protects, moves, and supports the body.

**HUMAN BRAIN (EB)**

**j-h** 11 minutes **B&W: \$2.15**  
 Defines the brain and compares its development in several animals and in man. Differentiates the functions of the medulla and cerebellum and describes the cerebrum in detail. Also illustrates the cerebral functions of perception, motor control analysis, integration and response to stimuli.

**HUMAN DIGESTION (ATH)**

**j-h-c** 10 minutes **B&W: \$2.15**  
 Describes the principal steps in the digestive process beginning with the stimulation of the organs of digestion by the sight and smell of appetizing food. Demonstrates how the food we eat is made available for the growth, energy, and repair of all our body cells.

**HUMAN GROWTH (UO)**

**i-j-h-c** 19 minutes **Color: \$6.15**  
 Permits the facts of human sex to be discussed without embarrassment or tension. In a straight-forward, unemotional manner, the film treats the differences between boys and girls in their rate of physical and sexual maturity; the glands which control physical and sexual activity; the male and female sex organs; menstruation; fertility, pregnancy and birth. The vocabulary is kept as simple as possible without sacrificing essential meanings.

**HUMAN HAIR, THE (BR)**

**j-h-c** 9 minutes **B&W: \$2.15**  
 Presents a description of the hair as a part of the skin and its analogous development and growth by live photography and animated drawings. Depicts the cause and appearance of "goose flesh." Explains the importance of the hair to one's personal appearance and its characteristics as a part of the human anatomy.

**HUMAN HEART, THE (BRF)**

**h-c-a** 9 minutes **B&W: \$1.90**  
 The mechanics and functions of the heart are described with diagrams and experiments.

**HUMAN HEREDITY (CW)**

**j-h-c-a** 20 minutes **Color: \$6.00**  
 The film depicts facts concerning human heredity, sex roles and determination as well as the influence of environment on behavior and attitudes. Separates facts from superstition.

**HUMAN MACHINE (MIS)**

**j-h-c-a** 16 minutes **Color: \$4.30**  
 This film compares body parts and operations with man-made machines. How parts of the body function together is also described.

**HUMAN REPRODUCTION (McGH)**

**h-c-a** 22 minutes **B&W: \$4.40**  
 This is a factual film on the human reproductive systems and on the process of normal birth. Models and animated drawings are used throughout the film to describe the anatomy and physiology of the individual reproductive organs of both men and women. The film stresses the biological normalcy of reproduction and the importance of clear, objective knowledge concerning marriage and parenthood.

**HUMAN SKELETON (UW)**

**j-h-c** 11 minutes **B&W: \$2.15**  
 The function of the skeleton is one of support, protection and movement. The structure of the various types of joints is treated in detail. Elbow and wrist actions are demonstrated by means of X-ray photography.

**HUMAN SKIN, THE (BR)**

**j-h-c** 11 minutes **B&W: \$2.15**  
 Depicts the important functions and the anatomical structure of the human skin by use of animated drawings and photography. Includes a descriptive explanation for the permanency of fingerprints.

**HUMAN THROAT, THE (BR)**

**j-h-c** 11 minutes **B&W: \$2.15**  
 Describes the throat, consisting of pharynx and larynx, from the anatomical and functional aspect. Depicts the movements of the rimal opening between the vocal cords during breathing and voice production, including an actual photograph of vibrating vocal cords.

**HUMMINGBIRD HOMELIFE (BFS)**

**general** 10 minutes **B&W: \$2.15**  
 The life of the hummingbird from egg until the fledglings leave the nest is depicted in this general interest film.

**HUNTER AND THE FOREST, THE (EB)**

**i-j-h** 8 minutes **B&W: \$1.85**  
 Will serve as an exciting stimulus for creative writing in elementary grades and high school. The work of one of the world's foremost photographers, Arne Sucksdorff of Sweden, it tells its story entirely through pictures, natural sounds, and a specially-composed musical score.

**HUNTERS, THE (COFI)**

**h-e-a** 73 minutes **Color: \$15.65**  
 The story of the bushman of Southwest Africa and the Bechuanaland Protectorate, the film centers about the hunters—men whose work and whose passion it is to track down the beasts of the forest and plain to provide food for their families. Life in this bitter land is a constant struggle against the hot, dry climate and an unyielding soil. The women dig all day with sticks for roots to eat. The men fashion their bows and arrows, distill the arrow poison, and engage in the hunt.

**HUNTING ANIMALS OF THE PAST (UON)**

**h-c-a** 19 minutes **B&W: \$3.95**  
 Thirty million years ago strange animals roamed the Nebraska plains, as evidenced by fossil bones which are found preserved in deep layers of Nebraska earth. These valuable remains are skillfully extracted by trained paleontologists. In many cases, the entire animal can be reconstructed. The film shows the location and excavation of bones, preparation and shipment of specimens, the assembling of the pieces, and the display of the animal in the museum.

**HURDLES (TRACK AND FIELD INSTRUCTION SERIES) (RF)**

**j-h-c** 13½ minutes **B&W: \$2.60**  
 Shows principles of the hurdles. The technique is shown through the analysis of championship-type jumps. With the aid of slow motion, the essential points of form are made vivid. In the film we work with an inexperienced candidate and put him through the drills needed to acquire good form.



**HURDLES, THE (UW)**

j-h-c 10 minutes B&amp;W: \$2.15

In stressing fundamentals, condition and form, this film demonstrates basic hurdling styles, rear hip and leg action, rhythmic running, calisthenics, body balance, correct clearance, and circular stepover action.

**HURRICANE CIRCUIT (UW)**

j-h-c-a 22 minutes B&amp;W: \$2.65

Illustrates the path of a hurricane through the Caribbean and the Gulf of Mexico. Explains the work of the U. S. Weather Bureau in predicting the course of the hurricane and issuing precautionary and emergent storm warnings. Shows in animation the nature of hurricanes.

**HURRICANE WATCH (USDC)**

h-c-a 14 minutes B&amp;W: \$2.15

The fury of a hurricane cannot be stopped by man, but the extent of the damage and the loss of life can be controlled. The combined forces of the armed services, the Red Cross and the weather bureau provide a constant watch for the tracking of the storms. Numerous weather reports and news bulletins provide the public with all necessary information.

**HYDRA, THE (UW)**

h-c-a 11 minutes B&amp;W: \$2.15

Shows the fresh-water polyp in its native habitat, with close-ups of its mouth structure, ingestion of food, locomotion, reproduction, and ability to replace cells and regenerate body parts.

**HYDRAULIC BRAKE SYSTEM (UW)**

h-c-a 11 minutes B&amp;W: \$1.65

Illustrates how to check brake pedal travel; examine the brake lining; adjust the brake shoes; inspect shoes; and inspect and adjust the hydraulic brake fluid system.

**HYDRAULICS (JH)**

h-c 9 minutes B&amp;W: \$1.65

The principle of hydraulic pressure is explained and the use of liquids to transmit power is shown. Simple working models and laboratory experiments visualize the fundamentals of hydraulic pressure vividly and clearly.

**HYDROGEN (C)**

h-c 14 minutes Color: \$4.60

After a brief history of the discovery of hydrogen, the film shows how it is produced in the laboratory and in industry. Reviews its properties including the electron theory of covalance. Gives an account of important industrial uses including new developments utilizing hydrogen in the field of nuclear energy.

**HYMN OF THE NATIONS (UW)**

j-h-c-a 27 minutes B&amp;W: \$3.65

Arturo Toscanini conducts the NBC Symphony Orchestra, the Westminster Choir, and Jan Peerce, tenor, in a special broadcast of "Hymn of the Nations"—marking the downfall of the Italian dictator, Mussolini.

**HYPNOTIC BEHAVIOR (ASF)**

c-a 27 minutes B&amp;W: \$4.85

Presents the phenomena of hypnosis illustrated in experiments conducted with two subjects, permitting observation and study of individual differences in response to the same suggestions. Should not be shown to a public audience unless presented by a professional person.

**I AM A PARATROOPER (McGH)**

j-h-c-a 18 minutes B&amp;W: \$3.65

Shows the kind of training received by airborne infantry recruits at Fort Benning, Georgia.

**I AM AN ALCOHOLIC (McGH)**

h-c-a 18 minutes B&amp;W: \$3.85

The story of Alcoholics Anonymous. Through the experiences of one man, this film portrays the steps taken by members of AA to bring that man back to his rightful place in society, to a regaining of health, happiness, and self-respect. The origin and development of Alcoholics Anonymous is then pictured.

**I AM THE BIBLE (COB)**

j-h-c-a 18 minutes B&amp;W: \$3.65

Shows how the Bible came down to us, from the start of the gathering of the Hebrew and Greek manuscripts. Shows the

first Bible; the struggles of the early Christians to keep and circulate them; the sufferings of believers because they loved the Book; and the persistent and determined efforts throughout centuries by governmental and church authorities to destroy the Bible.

**I CHOOSE CHEMISTRY (BFS)**

j-h 15 minutes B&amp;W: \$3.15

To interest young people in science and in the possibility of chemistry or mathematics as careers, is the purpose of the film. Tom, a ninth grade student takes his chemistry set to school, and he and his classmates decide to put on a magic show. Their general science teacher then arranges for the group to visit a chemistry laboratory where they see the importance of mathematics in performing chemical experiments. Tom becomes so fascinated with the magic of chemistry that he decides to make it his career.

**I DO (BFC)**

h-c-a 28 minutes Color: \$6.75

This film follows an interesting course of a play within a play. During the rehearsing for a motion picture, the actors comment on the roles they are to play. The intensity of their reactions and the depth of their insight create interest and thought. The value and importance of planning for premarital guidance is stressed in this imaginative and informative film dedicated to young people in love. Presents questions such as: Are we really in love? Are we right for each other? Why are we afraid? etc.

**I LIVE IN HAWAII (FA)**

i-j 15 minutes Color: \$4.70

This film shows some children of Hawaii as they eat their lunches of food from many countries, learn a few old Hawaiian customs and learn about their new state. It shows that the children of Hawaii are American in every way.

**I LIVE ON THE MOJAVE DESERT (AVF)**

i-j 16 minutes Color: \$5.00

Centers around a boy whose home is in the town of Barstow on the Mojave Desert in California. He experiences life in a modern desert environment. Covers the geography, weather, economy, and school activity.

**I NEVER CATCH A COLD (C)**

p 10 minutes B&amp;W: \$2.15

George thought he was too tough to obey health rules but he was sick on the day of the big sandlot game.

**I WANT TO BE A SECRETARY (C)**j-h-c 17 minutes Long Version B&W: \$3.65  
10 minutes Short Version B&W: \$2.15

Deals with clerical aptitudes. It gives aspirants important clues as to their own chances of success in this particular field. Please specify either Long or Short version.

**I WANTED RED WINGS (GA)**

p-i 6 minutes B&amp;W: \$2.15

This is a puppet story based on a North Carolina folk tale. Baby Rabbit, wishing for wings and getting them, learns the hard way that many of the things that you don't have really aren't good for you.

**I WENT BACK (AFF)**

h-c-a 18 minutes B&amp;W: \$2.15

Leo Genn tells of the economic progress and the recovery which he found in a visit to Italy, Austria, Greece, and Denmark after two years of Marshall Plan aid.

**IBERIAN PENINSULA (SPAIN AND PORTUGAL) (EB)**

i-j-h 11 minutes B&amp;W: \$2.15

Provides an over-all survey of Spain and Portugal—nations walled off from the rest of Europe by the rugged Pyrenees Mountains and separated from Africa only by the narrow Strait of Gibraltar. Stressed throughout the film is the theme that the Peninsula is primarily a semiarid land of plateau and mountain—a land characterized by a preindustrial agricultural economy.

**ICE (McGH)**

j 10 minutes B&amp;W: \$2.15

The film shows how ice is produced; why an ice cube bulges at the top; and how to lift an ice cube out of glass without touching it. Demonstrates an experiment which children can do to see that ice expands while freezing. Also illustrates the way to cut through an ice cube and still leave it whole. Students are challenged with many questions concerning the nature of ice.



**ICE CAPERS (OF)**

**i-j-h-c-a** 10 minutes **B&W: \$1.50**

Champion Irving Jaffe demonstrates his style and speed with discussion on: how ice-skate shoes should fit, how to conquer fear the first time, balance, how to break a fall, how to get up, ways of stopping, turns, couple skating, and figure skating. A comic on ice skates is also shown.

**ICE CREAM (EB)**

**p-i** 11 minutes **B&W: \$2.15**

A favorite food gives youngsters an insight into American industry. Shows ice cream made at home and made by factory methods.

**ICE FORMATION ON AIRCRAFT, PART I & PART II: REVIEW—HOW & WHERE ICE FORMS (AEROLOGY) (CAA)**

**j-h-c** 44 minutes **B&W: \$2.15**

Shows processes of ice formation, effects of ice on aircraft, and explains how wing ice, ice in the Pitot tube, ice on the propeller, and ice in the carburetor become flying hazards.

**ICI ON PARLE FRANCAIS (IFB)**

**j-h-c** 21 minutes **Color: \$7.15**

Commentary includes Quebec and the surrounding countryside. Narration is delivered at a slow pace and kept simple. Sentences are usually short, constructions are uninvolved and, insofar as possible, the vocabulary is practical and restricted to high-frequency words or easily recognized cognates. Recommended for beginning and intermediate French students.

**IDAHO AND ITS NATURAL RESOURCES (USBM)**

**j-h-c-a** 28 minutes **Color: \$2.15**

Tells the story of the Gem State's development from the arrival of Lewis and Clark Expedition in 1805 to present, emphasizing diversity of natural resources—mining, agriculture, dairying, lumbering, wildlife, and water. Farming scenes show raising of principal crops, garden seeds, and fruits. Film deals with the history and economic geography of Idaho.

**ILLINOIS (THIS LAND OF OURS SERIES) (IFI)**

**i-j-h** 10 minutes **Color: \$3.60**

A survey of the state as it is today is given and its place in the history of America is reviewed. Brief scenes show Lincoln's tomb and statue, street scenes, and the Capitol Building. The film presents scenes of Chicago and its industry, reports on the available transportation, agriculture, and the state fair. The campus of the University of Illinois is also visited by the camera.

**ILLINOIS FOOTBALL HIGHLIGHTS OF 1953 (UI)**

**general** 36 minutes **B&W: N.C.**

Describes the Illinois football team in action in 1953.

**ILLINOIS, LAND OF LINCOLN (DPR)**

**j-h-c-a** 33 minutes **Color: \$8.15**

Depicts Lincoln's early days in Illinois. We see how he studied, earned the right to practice law, and how he was instrumental in having the state capitol moved to Springfield. Scenes of his homes and places of work are compared with the way they look today.

**ILLINOIS SUMMER YOUTH MUSIC (UI)**

**i-j-h** 30 minutes **B&W: N.C.**

Explains the functions of the University of Illinois' annual Summer program for youth of musical ability. Under the guidance of experienced and professional instructors, the young musicians learn and play for a period of from two to five weeks on the University campus. Sixth to twelfth graders, they are selected on the basis of three criteria: school work, citizenship and capacity for musical development.

**I'M NO FOOL AS A PEDESTRIAN (WDP)**

**i-j** 9 minutes **Color: \$3.15**

Jiminy Cricket is master of ceremonies and teacher. He conducts a safety contest between Y-O-U and a Common Ordinary Fool. Shows the mishaps that befall a Common Ordinary Fool as a pedestrian. Y-O-U wins the award for good safety practices by observing the rules for walking safely on highways and city streets.

**I'M NO FOOL HAVING FUN (WDP)**

**i-j** 8 minutes **Color: \$3.15**

Features Jiminy Cricket in the role of master of ceremonies. Jiminy uses satire, humor, and song to show that only a Common Ordinary Fool violates the rules for safety when hiking, skating, swimming, and engaging in other forms of recreation.

**I'M NO FOOL IN WATER (WDP)**

**i-j** 8 minutes **Color: \$3.15**

Illustrates the "do's" and "don'ts" of water safety precautions in a contest between Y-O-U and a Common Ordinary Fool.

**I'M NO FOOL WITH A BICYCLE (WDP)**

**i-j** 9 minutes **Color: \$3.15**

Jiminy Cricket traces the history of the bicycle and points out the safety rules. He sings and dances to "I'm No Fool" as he conducts a safety contest between Y-O-U and a Common Ordinary Fool.

**I'M NO FOOL WITH FIRE (WDP)**

**i-j** 8 minutes **Color: \$3.15**

Jiminy Cricket traces the history of fire and points out safety rules. He sings and dances to "I'm No Fool" as he conducts a safety contest between Y-O-U and a Common Ordinary Fool.

**IMAGES FROM DEBUSSY (AFF)**

**h-c-a** 18 minutes **B&W: \$3.65**

*En Bateau*, *Arabesque en Mi*, *Reflets dans l'Eau*, and *Arabesque en Sol* are played against illustrative scenes.

**IMAGES MEDIEVALES (ENGLISH NARRATION) (AFF)**

**j-h-c-a** 19 minutes **Color: \$6.40**

Presents 14th and 15th century illuminated manuscripts with music, from late Medieval themes and folk songs. Performed on replicas of instruments of that period.

**IMMIGRATION (EB)**

**i-j-h** 10 minutes **B&W: \$2.15**

Unfolds the story of immigration into the United States from colonial times to the present. Animated maps and natural photography explain where various waves of immigrants came from, where they settled, and why they left their homes to come to America.

**IMMIGRATION IN AMERICA'S HISTORY (C)**

**j-h** 11 minutes **B&W: \$2.35**

The major waves of immigration to the United States, from the early seventeenth century to the present, are examined in their historic, economic, and sociological context. Dramatic re-enactments show causes of immigration, occupational and settling patterns, and contributions of each group to the growth and development of America.

**IMMORTAL BIZET (AL)**

**h-c-a** 28 minutes **B&W: \$4.65**

The life of Georges Bizet, as told through dramatic scenes and excerpts from his music. The film shows how the musical atmosphere of Bizet's youth and his later travels abroad influenced his work. Included are sequences from *Carmen* and the *L'Arlesienne* suites. Background music is performed by the Yvonne Souverne Choir and the orchestra of the *Concerts du Conservatoire*.

**IMMUNIZATION (EB)**

**j-h** 11 minutes **B&W: \$2.15**

Explains what immunization is and how immunity to infectious diseases is attained. Attention is first called to the fact that immunity to some diseases is effected through actual illness; then animated drawings and natural photography depict how immunization is effected by the injection of vaccine into a human body so that the body may build up resistance to an infection without actually having the disease.

**IMPACT (UC)**

**h-c-a** 12 minutes **B&W: \$2.15**

Summary of 7 years of research and experimentation on automobile collisions. Stop-action high speed photography provides insight into the injury producing agencies associated with collisions.

**IMPERIALISM AND EUROPEAN EXPANSION (C)**

**j-h** 13½ minutes **B&W: \$2.90**

Nationalism, industrial rivalry, technological progress, search for cheap raw materials, and missionary activity are shown as they affected the character of the imperial expansion movement of 1875-1914. Costumed re-enactments, location shots, and photographs from contemporary sources provide an authentic dimension to the nature and effects of imperialism in Africa, Asia, and the islands of the Pacific.



**IMPORTANCE OF GOALS (McGH)**

c-a 19 minutes B&amp;W: \$4.15

The principle is explored that all education is essentially a process of attaining basic, meaningful goals. The film centers on a 13-year-old boy's need for a specific goal to help in motivating him in his school work. The goal, in this case, is a possible post on the safety patrol.

**IMPORTANCE OF MAKING NOTES (C)**

j-h 10 minutes B&amp;W: \$2.15

Note taking, as an important study aid, has great value to students in almost every course. This basic motion picture presents the important skills of good notetaking. Through it audiences will learn how good notes are taken in oral instruction periods and during reading. They will see how to find the key ideas for notes, what sorts of materials should be taken down verbatim and when notes should not be taken at all.

**IMPORTANCE OF SELLING, THE (EB)**

h-c-a 20 minutes B&amp;W: \$4.15

The role of selling in modern business organizations is shown in this film which gives particular emphasis to services provided by salesmen to business and to the consumer. The film describes the structure of typical sales organizations, shows the duties of sales executives, and illustrates the importance of selling to our society.

**IMPORTANCE OF WATER (BFS)**

i-j-h 11 minutes Color: \$3.60

The film presents a program of water conservation showing different ways of planting watersheds and flood control installations. A graphic portrayal of the effort which many communities should and must make in order to secure and conserve an adequate water supply.

**IMPOSSIBLE MAP (NFBC)**

j-h-c-a 10 minutes Color: \$3.15

A grapefruit, paint and brushes, a knife, transparent celluloid sheet and paper are used to show how difficult it is to make an accurate representation of the world on a flat surface. Various arrangements are tried, but the difficulties of representing the globe's land areas on a flat surface are obvious.

**IMPRESSIONABLE YEARS (UW)**

c-a 30 minutes B&amp;W: \$4.15

We observe a small girl's first experience in the children's room of the New York Public Library. The appreciations which may develop in children through reading are explained and the freedom of choice and the democratic relationships of the library are emphasized.

**IMPRESSIONISM (MODERN ART SERIES) (BFS)**

j-h-c-a 7 minutes Color: \$2.30

Presents several masterpieces to show the unique qualities of impressionism. Explains simplification of form by comparative analysis; texture and heavily painted surfaces; generalization of objects and broken color techniques.

**IMPROVE YOUR HANDWRITING (C)**

i-j 11 minutes B&amp;W: \$2.15

Good handwriting is important for purposes of speed, clarity, and attractiveness. Among the skills demonstrated are the importance of posture, proper holding of the pen, placement of the paper, acquiring the right slant, forming letters clearly, and spacing and alignment.

**IMPROVE YOUR PERSONALITY (C)**

h-c-a 11 minutes B&amp;W: \$2.15

The film shows that personality is not a vague, glamorous attribute of the fortunate few but a part of each individual's character. How personalities can be developed, adapted, and controlled is dramatically told. An open, frank discussion of personality is encouraged. Students will learn to understand themselves better and see how they can improve their own personalities.

**IMPROVE YOUR PRONUNCIATION (C)**

j-h 10 minutes B&amp;W: \$2.15

"What did you say?" . . . that all too common phrase is overworked by poor pronunciation. While practicing his speech, to be given at the class banquet, Bill begins to realize his own pronunciation shortcomings. So he formulates a program for improvement using these basic rules: (1) Pronounce every syllable, (2) Pronounce each sound correctly, (3) Use accepted pronunciations, and (4) Use natural pronunciation. Like Bill, students will be amazed and pleased with the results, and they will realize that in gaining the respect of their fellows, as well as in making themselves correctly understood, proper pronunciation is an essential asset.

**IMPROVE YOUR PUNCTUATION (C)**

j-h 11 minutes B&amp;W: \$2.35

A high school teacher and class work together on punctuation trouble spots, covering the chief uses of the comma, the semicolon, the colon, the question mark, and quotation marks. Illustrations show amusing misinterpretations that can result from incorrect punctuation. The film stresses the use of punctuation as a means of clarifying written communication.

**IMPROVE YOUR READING (C)**

j-h 10 minutes B&amp;W: \$2.15

This is a prescription for reading deficiencies. The three most prevalent ailments found among students—narrow perception span; rapid, careless reading; and the slow, ponderous point to and pronouncing of words—are presented in this film. Specific remedies for each are illustrated and a cure set into effect.

**IMPROVE YOUR SPELLING (C)**

j-h 10 minutes B&amp;W: \$2.15

The determination of a high-school boy to make his term paper as good as possible prompts him to use, in his editing, the recommended procedure for learning the spelling of words. The audience participates by learning the spelling of words while, at the same time, using and learning the procedure.

**IMPROVE YOUR STUDY HABITS (C)**

j-h 11 minutes B&amp;W: \$2.35

When Ron realizes that he is handicapped by poor study habits, his friend Bert gives him pointers on how to form good habits of study in the classroom, in the study hall and library, and at home. Such habits as taking notes, learning how to use reference books, outlining, and making a homework schedule are suggested to aid the student in working to improve his own study habits.

**IMPROVING AMERICA'S HEALTH (C)**

j-h 11 minutes B&amp;W: \$2.35

America's health has been greatly improved since the turn of the century. The film shows how expanded health and medical services have increased life expectancy through the conquest of communicable diseases, and points out the importance of education and individual responsibility. We learn that America's health problem today lies in the area of noncommunicable diseases.

**IMPROVING THE JOB (USOE)**

h-c-a 9 minutes B&amp;W: \$1.65

A supervisor asks one of his workmen for suggestions for preventing waste. The workman explains the situation to members of his family at home, and methods of improving the job thus preventing waste are brought out.

**IMPROVING YOUR POSTURE (C)**

j-h 10 minutes B&amp;W: \$2.15

Why should so many suffer poor posture when good posture is easy? Here is a film that shows the major areas of the body by which posture is controlled. It demonstrates that good posture is: a balance of opposing sets of muscles. And it teaches methods of maintaining good posture, stressing relaxation, self-diagnosis, and correction.

**IN A CARTOON STUDIO (OF)**

p-i 7 minutes B&amp;W: \$1.70

The in's and out's of a cartoon studio are shown as the animals produce a melodrama on "Little Nell" and preview it in the great outdoors.

**IN CASE OF FIRE (FIRE DRILLS AND FIRE SAFETY) (EB)**

i-j-h 20 minutes Color: \$7.45

This film vividly demonstrates that lessons learned from fire drills can save lives in fire emergencies at school, at home, and at a crowded theatre.

**IN DARKEST AFRICA (OF)**

p-i 7 minutes B&amp;W: \$1.70

Thrilling jungle adventures as the Little King goes big game hunting and gets caught by the Cannibals while on a safari.

**IN THE BEGINNING (UW)**

j-h-c 17 minutes B&amp;W: \$2.65

Using the reproductive organs of the female rabbit for illustration, we see the mysterious prologue of life—the ovulation, fertilization, and early development of the mammalian egg. Very remarkable microphotography brings into view scenes of the spermatozoa attacking the ovum, and time lapse cinemicrographs show us the stages of cell division in the fertilized egg.



**IN THE ROUGH (OF)**

general 10 minutes B&W: \$1.70  
 Champion golfer Johnny Farrell explains that golf has no age limit. He goes on to explain and demonstrate several good golfing tips.

**IN THE WAKE OF THE ARMIES (OWI)**

h-c 14 minutes B&W: \$2.15  
 Explains the purpose of the United Nations Relief and Rehabilitation Administration. As European countries are liberated from the Nazi and Fascist yoke, the human demands of those thousands and thousands of war victims will be met by UNRRA.

**IN THEIR OWN HANDS (FON)**

h-c-a 25 minutes Color: \$7.15  
 Consumer cooperatives in Sweden and their importance in Swedish economy are shown. Included are cooperative retail shops, grocery stores, factories, and villages.

**INADEQUATE SCHOOL FACILITIES (THE SEARCH) (CBS)**

c-a 27 minutes B&W: \$5.65  
 A new technique to help alleviate the serious problem of inadequate school facilities is demonstrated by research done at Harvard University. This technique believes that by following the children through their school day, the educational researchers in a community may determine what is needed from the child's point of view. Data is analyzed and recommendations are made.

**INCAS, THE (C)**

i-j-h 11 minutes Color: \$3.60  
 Using archaeological remains and existing Peruvian Indian Village life, this film presents an historical, geographical, and cultural view of the Incan civilization. Filmed at authentic sites, the distinctive features of the Incan government and the economy based on agriculture and small industries and crafts are topics of discussion. A dramatic re-enactment of the Incan worship of the pagan sun-god is witnessed.

**INCAS, THE (HFE)**

i-j-h-a 10 minutes B&W: \$2.15  
 Tells how the Incas lived before the arrival of the Spanish and shows the result of the Spanish conquest and occupation over 400 years ago. It can be considered as a worth-while teaching instrument in history, sociology, handicrafts, architecture, and geography.

**INCLINED PLANE, WEDGE AND SCREW (McGH)**

j 10 minutes B&W: \$2.15  
 Defines an inclined plane and shows its function of increasing force. A wedge is also defined and illustrations of everyday objects which use the principle idea of the wedge are shown. The film describes a screw and tells why it is considered a machine. There are interesting experiments dealing with the inclined plane, the wedge and the screw.

**INCONSTANT AIR, THE (PLANET EARTH SERIES) (McGH)**

j-h 30 minutes Color: \$7.00  
 Circulation of the atmosphere is portrayed as well as the role of energy from the sun. How meteorological data are collected and how weather forecasts are arrived at are discussed. Theories on climatic changes are described. Current research in the laboratory and using satellite vehicles are presented.

**INDEPENDENT COMMERCIAL RADIO STATION (UW)**

h-c-a 20 minutes B&W: \$2.65  
 Shows the workings of a local independent commercial radio station. Includes scenes of various kinds of programs as well as the activities of the station.

**INDIA (THIS WORLD OF OURS SERIES) (IFI)**

i-j-h 9 minutes Color: \$2.65  
 The land area and geography of India is briefly surveyed. The inhabitants of the country, their life, and the way in which they make their living is recorded and summarized.

**INDIA (CUSTOMS IN THE VILLAGE) (EB)**

i-j-h 11 minutes Color: \$3.40  
 Concentrates on home life, customs, agriculture, caste system, and ceremonies of a small village in northern India.

**INDIA AND PAKISTAN: LANDS AND PEOPLES (C)**

i-j-h 13 minutes B&W: \$2.65, Color: \$4.50  
 The great subcontinent of India, comprising both Pakistan and the Union of India, is examined in terms of its four major geographic regions. The tremendous range in climate and land forms of these regions is seen to affect both crop production and population density. Life in cities, as well as in rural areas, is surveyed as an aid to understanding these key countries of Asia.

**INDIA, ASIA'S NEW VOICE (McGH)**

h-c-a 18 minutes B&W: \$3.40  
 In contrasting the life of the high-caste Brahman to that of the lowly Untouchable, the film throws into high relief some of the basic problems that confront the government of India. New industry, power projects, public health programs and modernizing of agricultural methods are depicted.

**INDIA: INTRODUCTION TO ITS HISTORY (EB)**

i-j-h 19 minutes Color: \$4.90  
 An overview of Indian history, from the legendary conquests by Aryan invaders about 2,000 B.C. through the long struggle for freedom reaching its climax under Gandhi's leadership, to the triumphant declaration of independence in August, 1947. The film describes the nature and influence of the major religions in India; the artistic monuments and contributions of each dynasty; and the cultural development of the people in different regions of the vast subcontinent.

**INDIA—PAKISTAN AND THE UNION OF INDIA (EB)**

i-j-h 15 minutes B&W: \$3.65  
 A truly remarkable film portrays the ways in which tradition, land, and climate have shaped the ways of life in India and Pakistan. Highlights India's complex problems concerning religions, nationalities, and its multitude of languages. Sensitively portrays the character of an Indian peasant, and suggests the isolation of his village from the rest of the world. Indicates the extent of education and industry in India today.

**INDIAN DANCES (EB)**

i-j 10 minutes Color: \$3.40  
 This film colorfully records four dances and reveals the American Indian as a keen observer of nature. To the dramatic accompaniment of tom-tom rhythms an Indian chief demonstrates dance patterns based on the characteristics of the grouse, an eagle in flight, the buffalo, and the deer.

**INDIAN FAMILY OF LONG AGO (BUFFALO HUNTERS OF THE PLAINS) (EB)**

i-j 13 minutes Color: \$4.50  
 Historically accurate re-creation of Plains Indian life 200 years ago. Presents members of a Sioux family on the march with horses and travois, putting up their tepee, their camp activity and games; climaxed by a buffalo hunt. The whole story centers around their dependence on the buffalo as a way of life.

**INDIAN HUNTERS (SF)**

general 9 minutes B&W: \$1.65  
 Two modern-day Canadian Indians scout for new hunting grounds for their tribe. These sharp-eyed scouts track moose, hunt new fishing grounds and run across the huge Canadian black bear as they move cautiously through the virgin forests and lakes of the wild Canadian north country.

**INDIAN LIFE IN THE SOUTHWEST (HCA)**

i-j-h 11 minutes B&W: \$2.15  
 Presents some ceremonial dances of the Indians of the Southwest, including the Horse Tail Dance, Pony Dance, Hoop Dance, Buffalo Dance, and Eagle Dance.

**INDIANA (THIS LAND OF OURS SERIES) (IFI)**

i-j-h 10 minutes Color: \$3.15  
 Presents the historical, geographical, industrial, and scenic highlights of the state including the cities of Indianapolis, Fort Wayne, and South Bend. Also shown are Notre Dame, Indiana, and Purdue universities, as well as manufacturing, industrial, and agricultural centers.

**INDIANS OF EARLY AMERICA (EB)**

i-j-h-a 22 minutes Color: \$6.65  
 Photographed on locations throughout the entire United States and Canada, this film re-creates the environment and typical activities of tribes from four major regions—the Eastern Woodlands, the Midwestern Plains, the Southwest, and the Northwest Coast. It includes sequences on the ceremonies attending



the death of an Iroquois chief and the election of his successor; a Sioux buffalo hunt; pottery making in a pueblo village; and a potlatch ceremony, conducted by the headman of a Northwest coastal tribe.

### INDIA'S HISTORY: BRITISH COLONY TO INDEPENDENCE (C)

**j-h-c** 10 minutes Color: \$3.40  
Describes India's struggle for independence, the role of the British East India Company, and the creation of Pakistan and the Union of India. Presents the influence of Mahatma Gandhi and the problems which now confront India's Hindus and Moslems.

### INDIA'S HISTORY: EARLY CIVILIZATIONS (C)

**j-h-c** 11 minutes Color: \$3.40  
The basic influences that shaped the beginnings of India's long and complex history are explored. The great religious leaders of the times are discussed and the cultural contributions made by successive people are reviewed.

### INDIA'S HISTORY: MOGUL EMPIRE TO EUROPEAN COLONIZATION (C)

**j-h-c** 11 minutes Color: \$3.40  
Follows the rise and decline of the great Mogul Empire and discusses the rise of European interest in India. Ends in the Battle of Plassey in 1760.

### INDICATORS AND pH (CHEMISTRY LAB. SERIES) (C)

**h-c** 28 minutes Color: \$8.25  
Solutions of hydrochloric acid of several different concentrations are prepared. The effects of these solutions on methyl violet and methyl orange indicators are shown. The pH of a solution of acetic acid is determined and the ionization constant of acetic acid is calculated.

### INDIRECT MEASUREMENT (KB)

**h-c** 13 minutes B&W: \$2.15  
Need for indirect measurement techniques is established by showing specific situations where direct measurements cannot be made. This film demonstrates three methods of indirect measurement—congruent triangles, similar triangles, and trigonometry.

### INDIVIDUAL DIFFERENCES (McGH)

**j-h** 22 minutes B&W: \$4.15  
Case history of a youngster who develops an inferiority complex because he has failed to fit into the pattern that his family and teachers set for him. When his teacher makes a study of his past record and plans to meet his interests as they really exist, Roy achieves personal satisfactions and becomes a contributing member in the class. Points out that education must meet the needs of the individual, and shows the scientific way of appraising and dealing with individual differences.

### INDIVIDUALIZING READING INSTRUCTION IN THE CLASSROOM (CTC)

**c-a** 20 minutes B&W: \$3.70  
Shows first graders planning and preparing what they will do during the activity period. As the activities get into full swing, the teacher works with individual readers.

### INDONESIA, AN EMPIRE'S PROBLEM (MOT)

**h-c-a** 18 minutes B&W: \$3.75  
Recounts the drama of the breakup of one of the world's great empires. Points out that the conflict between Indonesia and the mother country, Holland, involves the question of whether the white man's rule in Asia is coming to an end.

### INDONESIA: LAND AND THE PEOPLE (C)

**i-j-h** 13 minutes Color: \$4.20  
Surveys the geography and history of the islands once prized as the colonial East Indies. The overview includes the climate, terrain, density of population, the traditions, the islands as a "treasure house" of crops and mineral resources, and their transition to independence.

### INDONESIA—NEW NATION OF ASIA (EB)

**i-j-h** 16 minutes Color: \$5.90  
This beautiful and unusual film document traces the history of Indonesia from Dutch rule through independence. The way the people live and work, think and feel, is fascinatingly communicated. We come to understand the problems of a new nation, and as the film closes, there is evidence of progress toward the goal of providing security and a rising living standard for Indonesia, New Nation of Asia.

### INDUCTANCE (RADIO TECHNICIAN TRAINING) (CAA)

**h-c** 33 minutes B&W: \$2.15  
Shows by means of straight photography and animation how a magnetic force reacts around a coil. Explains self-inductance and how to increase the value of it, and how to increase the inductance of a coil.

### INDUSTRIAL ARTS: BORING AND DRILLING TOOLS (McGH)

**j-h** 11 minutes B&W: \$2.15  
Demonstrates the nature, function, use, and care of the hand drill, the electric drill, the brace and the bit used in wood-working.

### INDUSTRIAL ARTS: CHISEL AND GOUGES (McGH)

**j-h** 11 minutes B&W: \$2.15  
Demonstrates the nature, function, use and care of various types of wood chisels, gouges, and mallets used in woodworking.

### INDUSTRIAL ARTS: HAND SAWS (McGH)

**j** 10 minutes B&W: \$2.15  
Demonstrates the nature, function, common types, use, and care of hand saws.

### INDUSTRIAL ARTS: JOINING AND GLUING (McGH)

**h-c** 13 minutes B&W: \$2.85  
The principles and procedures for joining and gluing wood surfaces are explained and demonstrated.

### INDUSTRIAL ARTS: KNOWING WOODS AND THEIR USES (McGH)

**j-h** 14 minutes B&W: \$2.90  
After describing the parts of the tree trunk, the source of lumber, the film explains that wood may be plain-sawn, quarter-sawn, or prepared as plywood. The film then points out the importance of knowing something about stock dimensions and measurements of wood, and the further importance of knowing the properties of different varieties of woods.

### INDUSTRIAL ARTS: MEASURING AND SQUARING TOOLS (McGH)

**j** 11 minutes B&W: \$2.15  
Shows the nature and function of the measuring and squaring tools used in woodworking, and demonstrates how a piece of stock is squared to prescribed size.

### INDUSTRIAL ARTS: METAL SHOP SAFETY (McGH)

**j-h** 18 minutes B&W: \$4.25  
By means of a visual quiz, this film discusses the safe practices of the school metalworking shop.

### INDUSTRIAL ARTS: PLANES (McGH)

**j** 10 minutes B&W: \$2.15  
Explains common types of hand planes, and shows the correct use and care of each.

### INDUSTRIAL ARTS: SAFE SHOP (McGH)

**j-h-c** 12 minutes B&W: \$2.15  
Describes safety rules applicable to the industrial arts shop. Shows such measures as the use of proper clothing, goggles and shields; the spacing of work areas; the use of power tools and hand tools; the disposal of waste; the storage of lumber and inflammable liquids; the care of electrical equipment; and proper conduct in the shop.

### INDUSTRIAL ARTS: USING NAILS AND SCREWS (McGH)

**j** 11 minutes B&W: \$2.15  
Illustrates the function of the various types of nails and screws used in woodworking, and how they may be used to the best advantage.

### INDUSTRIAL ARTS: WOOD FINISHING (McGH)

**h-c** 13 minutes B&W: \$2.85  
Demonstrates and explains the principles and procedures for finishing furniture and other articles made of wood. The major procedures and materials discussed are: preparing the surface to be finished; using paints, stains, fillers, shellac, lacquers, varnish, rub-on finishes; and finally waxing.

### INDUSTRIAL CANADA (C)

**i-j-h** 18 minutes B&W: \$3.35  
Growing cities, huge factories, and modern highway systems reveal Canada's dramatic change over the last fifty years from



an agricultural country to a major industrial nation. Exceptional camera work illustrates how mechanization, development of natural resources, and foreign trade have helped effect this transformation, bringing to the people a new level of prosperity.

**INDUSTRIAL LAKE PORT—BUFFALO, N. Y. (UW)**

**j-h-c**                      **19 minutes**                      **B&W: \$4.15**  
Manufacturing and industrial study of Buffalo. Demonstrates how industrial centers tend to develop where there is a natural focus of trade routes facilitating the supplying of raw materials and the marketing of the finished product.

**INDUSTRIAL PURCHASING (EB)**

**h-c-a**                      **22 minutes**                      **Color: \$6.15**  
Dramatically reveals the importance of the director of purchasing in an industrial plant. Portrays him in his capacity as buyer of everything purchased by his company, and reveals actual problems of buying materials and machines. Highlights the teamwork between purchasing and other key departments which are essential to industrial achievement and efficiency.

**INDUSTRIAL REVOLUTION (EB)**

**j-h**                      **11 minutes**                      **B&W: \$2.15**  
Describes the industrial progress of the past 200 years. Explains how an increasingly higher standard of living has resulted from the contribution of labor-saving machines, mass production techniques, rapid communication devices, and fast transportation facilities.

**INDUSTRIAL REVOLUTION IN ENGLAND (EB)**

**j-h-c**                      **25 minutes**                      **Color: \$8.65**  
Shows an England much different from that of today; an England which was primarily rural. England was transformed by three inventions: the spinning jenny, the power loom, and the steam engine. With the development and improvement of these machines, the Industrial Revolution was an accomplished fact, bringing in its wake great material benefits and great problems.

**INDUSTRY ON PARADE SERIES (NAM)**

**j-h-c-a**                      **15 minutes each**                      **B&W: \$2.15 each**  
A series of films produced by the National Association of Manufacturers for public interest in industrial progress. Some representative topics are: French industrialists on tour in the U.S.A.; Production of airplane engines; How overalls are made; Printing the Bible; Steel to meet specialized needs; Uranium for many uses; Mechanical giants with a delicate touch; Construction of Pre-fab-Homes; Magnets developed for surgery; Designing tire treads at Firestone.

**INDUSTRY ON PARADE: PROGRAM #2 (NAM)**

Fifty years of research at G.E. Graphic Arts exhibit in Chicago. Boats produced like waffles (Fiberglas and plastic). Families learn of father's work. Golf club with seven heads.

**INDUSTRY ON PARADE: #12 (NAM)**

Land of Enchantment: Hawaii. Mechanical Giant: tour of the R. G. Latourneau plant. U.S. industry plays host to French industrialists. A baseball player and his filling station.

**INDUSTRY ON PARADE: #36**

Churches and Industry; Palm Beach; Capsules galore; A lost art.

**INDUSTRY ON PARADE: #43**

Production of airplane engines; How overalls are made; Steel stove: steel to specialized needs; All time best seller: Printing the Bible.

**INDUSTRY ON PARADE: #44**

Open House; Fares, Please; Mop up; The car for tomorrow.

**INDUSTRY ON PARADE: #49**

Caution on concrete: Carpet Control; Scrapping for Scrap; Slick, trim and Sturdy.

**INDUSTRY ON PARADE: #53**

Serving up safety; Papermen's paper; History under glass; Ink, Inc.; They tan as they toil.

**INDUSTRY ON PARADE: #54**

Career in Chemicals; Rope yarn; Adventure in aluminum; Back to school—at fifty.

**INDUSTRY ON PARADE: #59**

Uranium for many uses; Making material-handling equipment; How erector sets are made; A visit to a small parts company.

**INDUSTRY ON PARADE: #69**

The solar system; Big role for rock; Setting the standards; A share in the future.

**INDUSTRY ON PARADE: #71**

Black diamonds; Unsinkable boat; Everyday art; Waste not, want not.

**INDUSTRY ON PARADE: #74**

Typesetting without human hands; Mechanical giants with a delicate touch; Cleaning old metal surfaces for painting; Making of the "King Midget" car.

**INDUSTRY ON PARADE: #78**

Exploration underground; Purity by the ton; Keeping saws in shape; Super secretary.

**INDUSTRY ON PARADE: #80**

Two-wheel triumph; Spark of life; Hearing for the deaf; Good-bye skids.

**INDUSTRY ON PARADE: #82**

New power for the iron horse; Suppliers of sleep; Getting the point; 10,000 rubber fingers.

**INDUSTRY ON PARADE: #88**

Story of a switch (Mossman Switch) Greetings; World's toughest sandwich; Things are popping.

**INDUSTRY ON PARADE: #89**

Setting fires for safety's sake; Take our house along; Breakfast for billions; Waterproof workhorse.

**INDUSTRY ON PARADE: #90**

Still the richest hill; Miles of Birch; Betty's in Business; New Assignment for the electron.

**INDUSTRY ON PARADE: #91**

City of Gloves (Gloverville Story); Watermelon Bank; Something cooking; Welcome neighbor.

**INDUSTRY ON PARADE: #92**

Jets for the Navy; Scale Story; 20th Century apprentices; Beyond the water mains.

**INDUSTRY ON PARADE: #96**

Cargo Plane Deluxe; Turning out tamales; Financial genius; Oscar, Average man.

**INDUSTRY ON PARADE: #99**

Servicing the sleepers; Fashions for fisticuffs; Speaking for the sponsor; Business with pleasure.

**INDUSTRY ON PARADE: #101**

Construction and development of oil seals; Construction of pre-fab-homes; Production of refrigerator systems; A driving test and contest for teenage drivers.

**INDUSTRY ON PARADE: #103**

Chemical from corncoobs; A new way of living; Air conditioned motoring; In the bag.

**INDUSTRY ON PARADE: #105**

New role for wood; Small fry finery; Mail bus; Beauty in boots.

**INDUSTRY ON PARADE: #107**

Wooden ships for iron men; Industrial open house; Salt of the Earth; Loom Service.

**INDUSTRY ON PARADE: #108**

The pier that went for a cruise; Harvester of the future; Salvaging mileage; Tips on chips.

**INDUSTRY ON PARADE: #109**

Super shovel; Making washes whiter; Starting fires to prevent fires; Grandma's methods modernized.

**INDUSTRY ON PARADE: #110**

New Aura in Donora; Mechanizing the hand tools; Problem a day; Jet-powered flying windmills.



**INDUSTRY ON PARADE: #112**

Aircraft cookie cutter; Towels by the ton; Tinning tuna; Saddle story.

**INDUSTRY ON PARADE: #113**

New speed for the subs; Paper plus; Making good with make-up; Bovine Buffet.

**INDUSTRY ON PARADE: #114**

Power plant with pull; Potent potash; Packagers of trees; Ideas for sale.

**INDUSTRY ON PARADE: #116**

Down goes mud—up comes oil; Cleopatra never had it so good; Big wheel; The vanishing dinner pail.

**INDUSTRY ON PARADE: #117**

Road to Progress; Technique for Training; Putting water where it's wanted; Tuneful toys.

**INDUSTRY ON PARADE: #118**

Sand Springs Story; Ancient meets the modern; Conquest of copper; Sharing our savory.

**INDUSTRY ON PARADE: #119**

Good-bye goo; Factory farm; Classrooms with class; Restaurants by the roadside.

**INDUSTRY ON PARADE: #120**

Manufacturing and operation of big cranes; Pumps that create vacuum; Machines that mark curved objects; Designing tire treads at Firestone.

**INDUSTRY ON PARADE: #121**

Bauxite build-up; Measured by the Atom; Industry on the spotlight; Serving God and Man.

**INDUSTRY ON PARADE: #122**

Coal mining down on the farm; Envelope enterprise; Tilt-up Technique; Saga of the sardine.

**INDUSTRY ON PARADE: #123**

Life from a bottle; Concrete that's cool; Where kings are customers; Surface party.

**INDUSTRY ON PARADE: #124**

Company Clinic; Gassing up; Caring for currency; In the Clover.

**INDUSTRY ON PARADE: #125**

Serving by observing; Lights on; Taking the pain out of painting; Styles in the aisles.

**INDUSTRY ON PARADE: #126**

Exploring by X-Ray; Check-up for Connie; Skinning Spuds; Dynasty of Dolls.

**INDUSTRY ON PARADE: #127**

Emblem of Integrity; Window Dressing; Leather with allure; Woman on her way.

**INDUSTRY ON PARADE: #128**

Breath of Life; Sound systems for Scholars; Manufacturing Macaroni; Good-bye grass.

**INDUSTRY ON PARADE: #132**

Loads of Limestone; Sap to syrup; Sculpted in Soap; Forming the uniform.

**INDUSTRY ON PARADE: #133**

College for Craftsmen; It all adds up; Bric-a-brac research; Jet Boat.

**INDUSTRY ON PARADE: #134**

Secrets of the Crankcase; Everything but the yodel; Back of the House; Ideas for export.

**INDUSTRY ON PARADE: #135**

Seven Mile snapshot; Gooberville, USA; New Defense Against Fire; Hollywood's Strangest Factory.

**INDUSTRY ON PARADE: #137**

Out of the Scrap—and back in; Building boy proof pants; To color, protect and preserve; Craftsmen with calluses.

**INDUSTRY ON PARADE: #138**

Printing without type; Prospecting with a vacuum cleaner; Pageant of Plastics; Truckers retreat.

**INDUSTRY ON PARADE: #139**

Doctor Atom; Beneficial bacteria; Boxes, cartons, and cases; Proof of the pudding.

**INDUSTRY ON PARADE: #140**

Transcendent transistor; Old meets the new; Spotlight on the supermarket; Literature for little ones.

**INDUSTRY ON PARADE: #141**

Tin cans to jet planes; Challenging King Cotton; Stocking Story; Windfall for the wayfarer.

**INDUSTRY ON PARADE: #142**

Incubating a Career; All in the Family; Mechanics of a Manicure; Transplanting the Tweetsie.

**INDUSTRY ON PARADE: #143**

Retirement in the afternoon; Lens-making modernized; Titan of trucks; World's fair, Tulsa Style; Nursery in the factory.

**INDUSTRY ON PARADE: #144**

Use of plastic pipes underground; Boats by the do-it-yourself-method; Making synthetic jewels; Magnets developed for surgery.

**INDUSTRY ON PARADE: #145**

A paradise that pays; Railroad research; Makers of murals; Brownie comes home.

**INDUSTRY ON PARADE: #146**

Wonder grass; Community craft; Creation of a canoe; A honey of a business.

**INDUSTRY ON PARADE: #147**

Factory Farm; Summertime skiing; The war of pests; Motoring of the future.

**INDUSTRY ON PARADE: #148**

A friend indeed; Parade of Progress; Caretakers of our teeth; Making haste with the waste.

**INDUSTRY ON PARADE: #149**

Building a city; Service that's cool; Dream Job; Mulch from Moss.

**INDUSTRY ON PARADE: #150**

460 degrees below zero; Importing an idea; Putting on the pressure; Manufactured menagerie.

**INDUSTRY ON PARADE: #151**

Vision without sight; Behind the brick; Soap from the sea; Marsh buggy.

**INDUSTRY ON PARADE: #152**

The popular Pickle; Changing the cast; Oyster and the Egg; Workmen of the Cloth.

**INDUSTRY ON PARADE: #153**

Columns of Light; Wedding of the fibres; Rice of a plenty; Books for the blind.

**INDUSTRY ON PARADE: #154**

Canning the corn crop; Tablets for tots; Shipping in the South; Diving for buttons.

**INDUSTRY ON PARADE: #155**

Bauxite from ore to aluminum; How automobile batteries are made; Advertising by means of a fishing school.

**INDUSTRY ON PARADE: #156**

Before the concert; Fingers that cannot feel; Gathering the grapes; Country club factory.



## **INERTIA OF MOTION (JUNIOR SCIENCE SERIES) (McGH)**

**j** 10 minutes **B&W: \$2.15**  
This film first explains why the body falls forward when a car stops suddenly. It then shows amazing stunts with inertia of motion such as: how to drive a nail through a piece of wood with nothing else but bare hands, and how to break a pencil with a dollar bill. An inertia toy further proves that the amount of inertia that an object has depends on its weight.

## **INERTIA OF REST (JUNIOR SCIENCE SERIES) (McGH)**

**j** 11 minutes **B&W: \$2.15**  
Defines inertia. Explains why one falls backwards when an automobile starts suddenly. The film shows stunts with inertia of rest: how to pull a strip of paper from under a glass of water without spilling a drop; how to catch falling coins in mid-air; how to cut an apple that is not supported by anything; and how to cut a string without a knife or scissors.

## **INFECTIOUS DISEASES AND MAN-MADE DEFENSES (C)**

**j-h** 11 minutes **Color: \$3.60**  
This film shows some of the causes of infectious diseases and explains how we use man-made defenses to protect ourselves. Also, how antitoxins, vaccines, antibiotics and synthetic drugs are produced and used to help active and passive immunity in the body.

## **INFECTIOUS DISEASES AND NATURAL BODY DEFENSES (C)**

**j-h** 11 minutes **Color: \$3.60**  
This film provides an introduction to the complex subject of immunology. Shows outer and inner body defenses, the work of mucus and cilia, inflammation and the work of white blood cells, the filtering action of the blood, and how antibodies work.

## **INFIELD PLAY AT FIRST AND THIRD (ANL)**

**h-c-a** 18 minutes **B&W: \$3.15**  
Gil Hodges, George Kell, Bob Elliott, and Ferris Fain demonstrate in regular and slow motion action, defensive play at first and third base.

## **INFINITE UNIVERSE, THE (AL)**

**j-h-c-a** 11 minutes **B&W: \$2.15**  
Discusses the concepts of astronomical time, space, speed, and size. Not only shows some of the vast galaxies and distant stars of our universe, but also tries to reduce these space-time concepts to common, everyday dimensions.

## **INFLATION (EB)**

**h-c-a** 20 minutes **B&W: \$4.55, Color: \$6.65**  
Defines inflation, reveals its causes and effects, and indicates measures for the solution of it. Explains that a war or defense crisis can bring about inflation by increasing the supply of money and decreasing the supply of goods. Indicates that the effective cures for inflation are measures which decrease the supply of money while increasing productivity.

## **INFLUENCE OF GEOGRAPHY AND HISTORY ON THE PORT OF NEW YORK (IG)**

**j-h-c-a** 10 minutes **Color: \$3.40**  
Illustrates how, during the colonial period, the port of New York was the gateway between the Eastern seaboard and the newly acquired Northwest Territory, and describes the advantageous geographical position of the early port, defining the factors that contributed to its leadership then and which account for its supremacy today.

## **INLAND WATERWAYS (EB)**

**i-j-h** 16 minutes **B&W: \$3.15**  
The growth of America's inland waterways system—its early expansion with the westward movement of the pioneers; its decline with the invention of the steam locomotive; and its revival with the development of mass production industries. A trip on a barge from Pittsburgh to Houston shows the mode of operation and the functions of present day inland waterway shipping.

## **INNER MAN STEPS OUT, THE (GE)**

**c-a** 34 minutes **B&W: \$4.65**  
Designed to increase man's understanding of man and his reaction to everyday experiences. Illustrates problems in industrial supervision.

## **INSECT COLLECTING (DPP)**

**i-j-h** 14½ minutes **Color: \$4.70**  
Points out that collecting specimens is an important part of any study of insect life. Shows common and some uncommon terrestrial and aquatic insects in close detail. Shows where to look and how to capture specimens. Methods of collecting include: netting, beating of host plants, night collecting, investigating dead parts of trees, using Berlese funnel to procure microscopic specimens and aquatic methods.

## **INSECT FOODS (DPP)**

**i-j-h** 15 minutes **Color: \$4.20**  
Stages of development of insects are presented as they pertain to feeding.

## **INSECT LIFE CYCLE (EB)**

**i-j-h** 11 minutes **B&W: \$2.15**  
Follows the visible phases of the life cycle of the periodical cicada. Recorded in nature, it captures some rare moments of the emergence, transformation and hatching of this most unusual insect in North America. Animated diagrams trace the hard-to-see phases.

## **INSECT MOUNTING AND PRESERVING (DPP)**

**i-j-h** 14 minutes **Color: \$4.70**  
Illustrates techniques in a dozen different ways of mounting and preserving varieties of insects in close detail. Suitable companion for films, "Insect Foods" and "Insect Collecting."

## **INSECT ZOO (EB)**

**p-i** 10 minutes **Color: \$3.40**  
This film can bring enthusiastic participation to the study of the insect world. The katydid, cricket, butterfly, milkweed bug, ladybird beetle, ant, and praying mantis are shown in the backyard zoo built by two young collectors. Ted and Susan display the various insects in close-up photography.

## **INSECTS (EB)**

**j-h** 10 minutes **Color: \$3.40**  
The class of animals known as insects is clearly defined. The principal characteristic of butterflies, wasps, beetles, flies, and grasshoppers are identified; and the differences between true insects and their near relatives are pointed out. The film reveals the life cycles, feeding habits, and protective coloring of a variety of insects and explains ways in which man can encourage beneficial insects and combat pests.

## **INSECTS ARE INTERESTING (DPP)**

**j-h** 11 minutes **Color: \$3.40**  
The life histories of a number of insects are presented. Deals with how the insect adapts to its environment and illustrates in detail the metamorphosis of the locust, moth, and butterfly.

## **INSECTS AS CARRIERS OF DISEASE (IIAA)**

**h-c-a** 10 minutes **Color: \$2.40**  
Shows how the fly, mosquito, and louse spread dysentery, malaria, and typhus. Explains what everyone should do to get rid of these disease carriers.

## **INSECTS ASTRAY (PSN)**

**h-c-a** 25 minutes **B&W: \$2.15**  
Depicts the webbing clothes moth from egg to adulthood. Describes an invisible chemical compound which renders wool fabrics unpalatable to insects.

## **INSIDE OPERA (TFC)**

**h-c** 28 minutes **B&W: \$4.65**  
Adapted from the Hollywood production, "One Night of Love," in which Grace Moore played an ambitious vocalist in study and training for an operatic career. Features arias from "Carmen," "Madame Butterfly," "La Traviata," and "Lucia di Lammermoor." *Restricted to Classroom Use.*

## **INSIDE STORY (EB)**

**h-c-a** 13 minutes **B&W: \$3.65**  
Presents an account of penal rehabilitation in Massachusetts which shows what a convicted man must go through in order to get himself into rehabilitation center and to stay there; and although vocational therapy and recreation are demonstrated, it is made clear that these men have offended society and are being punished for their deeds.



**INSIDE STORY OF A CHICKEN GIZZARD GRINDING (USDA)**

**h-c-a** 6 minutes **B&W: \$1.50**  
 Uses animation, highly amplified sound, and specially developed X-ray motion picture footage to show the rhythmic grinding cycles of a chicken's gizzard in action.

**INSIDE STORY OF MODERN MILKING (CLUS)**

**h-c-a** 34 minutes **Color: \$8.90**  
 Literally the inside story, this film shows us how the cow produces its milk. The need for faster and more scientific milking methods is discussed.

**INSIDE THE ATOM (NFBC)**

**h-c-a** 10 minutes **B&W: \$1.65**  
 Presents the work of scientists in the Canadian Atomic Research Center of Chalk River, Ontario, with a brief explanation of atomic theory, the splitting of the atom, and chain reaction.

**INSIDE THE FEDERAL BUREAU OF INVESTIGATION (TFC)**

**j-h-c-a** 10 minutes **B&W: \$1.65**  
 Explains the program of the F.B.I. to protect the nation against crime, corruption, espionage, and sabotage. Describes the training of the F.B.I. agents. *Restricted to Classroom Use.*

**INSIDE THE RIM OF ADVENTURE (NFBC)**

**general** 24 minutes **Color: \$2.15**  
 This film accompanies a visiting couple from the United States who find that every day spent in Manitoba is a day full of adventure. They visit the White Shell Forest Reserve, the city of Winnipeg, Flin Flon's Trout Festival, Riding Mountain National Park, the Minnedosa Valley, and the city of St. Boniface.

**INSIDE THE VATICAN (CVE)**

**j-h-c-a** 26 minutes **B&W: \$4.15**  
 Shows views of Vatican City including the interior of the St. Peter's basilica and the Papal palace. Pope Pius XII is shown addressing worshippers from his balcony overlooking the courtyard of St. Damascus and the Vatican museums.

**INSIDE THE WEATHER (UW)**

**i-j** **Color: \$4.70**  
 On an air trip to Chicago, two children learn in detail about some important weather factors and the problems of weather forecasting.

**INSPECTION OF MINOR ASSEMBLIES (CAA)**

**h-c-a** 16 minutes **B&W: \$2.15**  
 Shows how to inspect a minor assembly in detail; how to read rivet specifications; and how to inspect rivets.

**INSPECTION OF SHEET METAL PARTS (CAA)**

**a** 20 minutes **B&W: \$2.15**  
 Shows how to plan an inspection routine; how to inspect a sheet metal part in detail; how to make a visual inspection; and how to make spot checks.

**INSPECTION OF THREADS (UW)**

**h-c-a** 20 minutes **B&W: \$2.65**  
 How to identify the different parts of an American National Standard Thread; how to inspect external threads with a roll snap gage; how to adjust the roll snap gage; and how to inspect internal threads with a plug gage.

**INSTALLMENT BUYING (C)**

**j-h-c** 10 minutes **B&W: \$2.15**  
 A young doctor's experience in buying furniture on installments demonstrates some of the pitfalls of installment buying. Shows the necessity for a complete investigation of installment credit, contracts and interest rates before making purchases in this way.

**INSTRUCTING THE WORKER ON THE JOB (USOE)**

**h-c** 11 minutes **B&W: \$2.15**  
 The subject of this film is the best way to show a new worker how to do a job. Different methods of instructions are pointed out and their effectiveness is evaluated.

**INSTRUCTIONAL FILMS—THE NEW WAY TO GREATER EDUCATION (C)**

**general** 16 minutes **B&W: \$3.90**  
 Demonstrates to the audience, through many sequences from selected films, how audio-visual teaching saves time in present-

ing complex ideas, saves money by bringing costly equipment right into the classroom, makes the most distant things as near as the classroom movie screen, and makes it possible for students to see familiar objects in a new light.

**INSTRUMENT FLIGHT (CAA)**

**c** 14 minutes **B&W: \$2.15**  
 Depicts a mission in North Africa on a night when bad weather makes instrument flying necessary. The necessity for thorough training in instruments is illustrated by a scene from training days when the present captain of the plane making this mission got into serious trouble because of indifference to the subject. The nature and functions of instruments are given with special attention to the altimeter, Gyroscope, compass, and air-speed indicator. The importance and value of instruments are made vivid by having them impersonated during a training flight, each one as a character representing an instrument and telling its function so that the pilot finally recalls his instruction in time to retrieve the situation and make a safe landing.

**INSTRUMENT FLIGHT CONTROL—ORIENTATION—FADE PARALLEL SYSTEM AND CLOSE-IN PROCEDURE (CAA)**

**h-c** 10 minutes **B&W: \$2.15**  
 Designed to orient aviators to the fade parallel and close-in parallel methods of radio navigation. Points out the advantages of the system, and when and how to use it.

**INSTRUMENT FLIGHT CONTROL—ORIENTATION—THE 90 DEGREE METHOD (CAA)**

**h-c** 9 minutes **B&W: \$2.15**  
 Designed to train instrument fliers in the 90 degree method of radio range orientation. Shows when to use this method and when not to use it, the effect of wind, and the use of the 90 degree method in a square sector, an open sector, and a closed sector.

**INSTRUMENT FLIGHT CONTROL—ORIENTATION—THE TRUE FADE SYSTEM (CAA)**

**h-c** 8 minutes **B&W: \$2.15**  
 Designed to teach Naval aviation personnel the True Fade method of radio range orientation. Demonstrates how to accomplish the True Fade method of radio range orientation, explains where and when it is most practical and shows how the following features affect the method: square sector, closed sector, open sector, wind, terrain, and distance.

**INSTRUMENT FLIGHT CONTROL—RADIO NAVIGATION—PART II—BRACKETING AN UNKNOWN BEAM (CAA)**

**h-c** 9 minutes **B&W: \$2.15**  
 Designed to show aviators how to bracket an unknown beam of a 4-course aural type of radio range. Points out advantages of the system and how to carry out the procedure.

**INSTRUMENT FLYING AND LANDING—AIR FORCE LANDING SYSTEM (CAA)**

**c** 11 minutes **B&W: \$2.15**  
 Shows how the radio compass, runaway localizer, altimeter, directional gyro, artificial horizon, and marker beacons are utilized in the Air Force Landing System. Demonstrates instrument landing procedures on the Link Trainer.

**INSTRUMENT FLYING AND LANDING—LET-DOWN AND LOW APPROACH (CAA)**

**h-c** 9 minutes **B&W: \$2.15**  
 Explains basic routine for let-down and low approach procedures; demonstrates procedures on Link Trainer.

**INSTRUMENT FLYING AND LANDING—STANDARD RATE TURNS (CAA)**

**c** 8 minutes **B&W: \$2.15**  
 Depicts the use of the Link Trainer to demonstrate procedure for making standard rate turns.

**INSTRUMENTS OF THE BAND AND ORCHESTRA: INTRODUCTION (C)**

**i-j-h** 10 minutes **B&W: \$2.15**  
 This film explains the three sections of the band: the brasses, woodwinds, and the percussion instruments. We see how an additional section of strings gives the orchestra different sounds. The more common instruments of each section are demonstrated.



## **INSTRUMENTS OF THE BAND AND ORCHESTRA: THE BRASSES (C)**

**i-j-h** 10 minutes **B&W: \$2.15**  
We hear the distinctive sounds of the brass section and learn how it contributes to the full sound of bands and orchestras. Basic principles on which brasses operate are presented in animation. We then are introduced, through eye and ear, to the cornet, the trumpet, the French horns, trombones, baritone, tuba, and sousaphone.

## **INSTRUMENTS OF THE BAND AND ORCHESTRA: THE PERCUSSIONS (C)**

**i-j-h** 10 minutes **B&W: \$2.15**  
We are here introduced to the most common of the percussion instruments and told of their importance. Among the instruments we see and hear played are the bass drum, snare drum, field drum, and tympani or kettle drums. Others include the tambourine, triangle, temple blocks, castanets, gong, claves, marimba, bells, chimes, and the cymbals, including the sock cymbal of dance bands.

## **INSTRUMENTS OF THE BAND AND ORCHESTRA: THE STRINGS (C)**

**i-j-h** 10 minutes **B&W: \$2.15**  
This film demonstrates the basic principles of operation of the string instruments and shows, simply, how each is played. The instruments include the violin, viola, cello and string bass (also called the bass viol, double bass or contra bass). Added features are the presentation of several types of bows and various musical effects of the instruments.

## **INSTRUMENTS OF THE BAND AND ORCHESTRA: THE WOODWINDS (C)**

**i-j-h** 10 minutes **B&W: \$2.15**  
The distinctive sounds of the woodwinds and the principles on which they operate are featured in this film. Basic woodwinds introduced include the flutes and the piccolo; the single reeds; including the clarinets and saxophone; and the double reeds, including the oboe, the alto oboe (English horn), and the bassoon.

## **INSTRUMENTS OF THE ORCHESTRA (BIS)**

**h-c** 20 minutes **B&W: \$2.90**  
Following presentation of the sound of each instrument, the London Symphony Orchestra is heard in Benjamin Britten's *Variations and Fugue* on a theme by Purcell. The well-known British conductor, Dr. Malcolm Sargent, is both commentator and conductor.

## **INSURANCE AGAINST FIRE LOSSES (EB)**

**j-h-c-a** 17 minutes **Color: \$5.15**  
Explains fire insurance as the institution through which we meet the problem of possible financial loss by fire. Portrays the basic principle of spreading the risk. Reviews detailed operations required on the part of insurance organizations. Clearly depicts factors affecting the cost of the premium and method of paying losses. Points up suggestions for reducing fire hazards. The entire film is produced in delightful cartoon-style animation.

## **INTEGRATED LANDING AIDS: PART I (CAA)**

**h-c** 25 minutes **Color: \$2.15**  
Presents information to qualified pilots on the basic principles and use of ILS (Instrument Landing System) and GCA (Ground Control Approach) and the manner in which they are integrated to provide maximum safety. The film does not present a specific method on how to use these landing aids.

## **INTEGRATED LANDING AIDS: PART II (CAA)**

**h-c** 29 minutes **Color: \$2.15**  
Presents information to qualified pilots on the basic principles of the various systems of High Intensity Lighting (including the Slope Line Approach Lighting System) and Fido (Fog-Intensive Dispersal of). The manner of integration of the various landing aids to provide maximum safeguards is emphasized.

## **INTERDICTION AND BLOCKADE (AIR POWER SERIES) (CBS)**

**h-c-a** 28 minutes **B&W: \$5.65**  
The story of how the American high command, faced with the knowledge that there could never be a decisive land battle in the South Pacific, used air and sea power to destroy the Japanese war machine by denying the enemy the vital lines of supply and communication.

## **INTERGROUP RELATIONS (THE SEARCH) (CBS)**

**c-a** 27 minutes **B&W: \$5.65**  
Living in peaceful cooperation despite differences in racial, social, and religious backgrounds is demonstrated by a typical American community (Baltimore). Fisk University helps in this endeavor.

## **INTERIM REPORT (MTP)**

**h-c-a** 14 minutes **B&W: \$2.15**  
A dramatization of the work of the National Foundation for Infantile Paralysis in the struggle against this crippling disease. Illustrates the search for a vaccine which would keep the virus from entering the nervous system and the actual development of the new Salk Vaccine.

## **INTERMEDIATE ACROBATICS—ACROBATIC CHECKS— PART VI (CAA)**

**h-c** 19 minutes **B&W: \$2.15**  
"Joe Student" demonstrates the procedure for acrobatic checks making a flipper turn, loop, right slow roll, left slow roll, right Chandelle, and right and left precision spin. Stresses the importance of the check and staying within the check range.

## **INTERMEDIATE ACROBATICS—IMMELMAN (CAA)**

**h-c** 10 minutes **B&W: \$2.15**  
Demonstrates the procedure of performing the Immelman. Errors are shown and the narrator explains the reason and the results of such errors. Shows how the Immelman changes the pilot's status from defensive to offensive. The idea of relaxing is stressed.

## **INTERMEDIATE ACROBATICS—INVERTED SPINS (CAA)**

**h-c** 8 minutes **B&W: \$2.15**  
Points out the difference between the accidental spin and the inverted spin, the procedure and precautions to be taken, and the recovery. A number of errors in recovery are illustrated and the correct procedure is shown.

## **INTERMEDIATE ACROBATICS—LOOPS (CAA)**

**h-c** 14 minutes **B&W: \$2.15**  
The narrator instructs "Joe Student" in the procedure of making the loop and the precautions to take before leaving the ground. "Joe Student's" errors are corrected and an explanation of the coordination of pilot and plane is given.

## **INTERMEDIATE ACROBATICS—PRECISION SPIN (CAA)**

**h-c** 11 minutes **B&W: \$2.15**  
The narrator repeatedly explains the step-by-step method of executing correctly the precision spin and recovery. "Joe Student" errs several times doing controlled spirals but finally performs precision spin and recovery correctly.

## **INTERMEDIATE ACROBATICS—SLOW ROLL (CAA)**

**h-c** 10 minutes **B&W: \$2.15**  
The narrator explains the procedure of the slow roll to "Joe Student" and corrects his errors when he pulls through to an inverted position, black out, and gets in other dangerous situations. Illustrates the use of the slow roll in a dog fight by means of animation.

## **INTERMEDIATE ACROBATICS—THE CHANDELLE (CAA)**

**h-c** 15 minutes **B&W: \$2.15**  
Demonstrates the correct use of ailerons, rudders and controls in executing the chandelle. "Joe Student" performs the operation until he can maneuver it properly.

## **INTERMEDIATE TUMBLING (C)**

**j-h-c** 10 minutes **B&W: \$2.15**  
This film includes twenty stunts in handspring, balance, and somersault progressions. Companion stunts are shown and safety spotting is indicated. The film emphasizes the prevention of accidents while teaching students technique and form.

## **INTERNAL ORGANIZATION (INDUSTRIAL ORGANIZATION AND MANAGEMENT SERIES) (McGH)**

**c-a** 11 minutes **B&W: \$2.15**  
The fundamental purposes of business organization and basic organizational principles are developed in this discussion. The principles of delegation of authority, division of labor, and assignment of responsibility are covered and the types of organization that can be adapted to the needs of any enterprise are shown.



## INTERNATIONAL CONFEDERATION OF FREE TRADE UNIONS (WEB)

h-c-a 26 minutes B&W: \$3.15

An on-the-spot report of the first conference of this international body. Meeting in London in 1949, representatives of fifty nations presented their views on the problem of free labor and trade unions. Many conferences and meetings showed the need for a common front against the forces which try to destroy free labor and substitute slave labor. Only through this united cause could this meeting produce any good and beneficial results.

## INTRODUCING BELGIUM (UW)

general 22 minutes B&W: \$3.15

Describes the country and the people: geography, history, achievement, economic life, occupations, and social customs. Explains Belgium's role in the North Atlantic Treaty Organization.

## INTRODUCING CANADA (UW)

general 20 minutes B&W: \$3.15

Describes the country and the people: geography, history, achievement, economic life, occupations, and social customs. Explains the role of Canada in the North Atlantic Treaty Organization.

## INTRODUCING DENMARK (UW)

general 20 minutes B&W: \$3.15

Describes the country and the people: geography, history, achievement, economic life, occupations, and social customs. Explains Denmark's role in the North Atlantic Treaty Organization.

## INTRODUCING FRANCE (UW)

general 20 minutes B&W: \$3.15

Describes the country and the people: geography, history, achievement, economic life, occupations, and social customs. Explains France's role in the North Atlantic Treaty Organization.

## INTRODUCING GREECE (UW)

general 16 minutes B&W: \$3.15

Describes the country and the people: geography, history, achievement, economic life, occupations, and social customs. Explains Greece's role in the North Atlantic Treaty Organization.

## INTRODUCING ICELAND (UW)

general 20 minutes B&W: \$3.15

Describes the country and the people: geography, history, achievement, economic life, occupations, and social customs. Explains Iceland's role in the North Atlantic Treaty Organization.

## INTRODUCING INSECTS (EB)

i-j-h 17 minutes Color: \$5.60

Magnified close-ups, slow-motion, and time-lapse photography reveal structure and characteristics of grasshoppers, crickets, fleas, beetles, butterflies, moths, bees, etc.

## INTRODUCING ITALY (UW)

general 19 minutes B&W: \$3.15

Describes the country and the people: geography, history, achievement, economic life, occupations, and social customs. Explains Italy's role in the North Atlantic Treaty Organization.

## INTRODUCING LUXEMBOURG (UW)

general 20 minutes B&W: \$3.15

Describes the country and the people: geography, history, achievement, economic life, occupations, and social customs. Explains Luxembourg's role in the North Atlantic Treaty Organization.

## INTRODUCING NORWAY (UW)

general 20 minutes B&W: \$3.15

Describes the country and the people: geography, history, achievement, economic life, occupations, and social customs. Explains Norway's role in the North Atlantic Treaty Organization.

## INTRODUCING PORTUGAL (UW)

general 20 minutes B&W: \$3.15

Describes the country and the people: geography, history, achievement, economic life, occupations, and social customs. Explains Portugal's role in the North Atlantic Treaty Organization.

## INTRODUCING THE NETHERLANDS (UW)

general 20 minutes B&W: \$3.15

Describes the country and the people: geography, history, achievement, economic life, occupations, and social customs. Explains the Netherlands' role in the North Atlantic Treaty Organization.

## INTRODUCING THE NEW WORKER TO HIS JOB (USOE)

h-c 14 minutes B&W: \$2.90

The film opens showing a new worker being started on his job. First, the introduction to the job is done very poorly. Then the same job is done over again correctly. The differences between the first and second ways of introduction are obvious.

## INTRODUCING THE REPTILES (McGH)

j-h-c-a 16 minutes B&W: \$3.85

Explains and describes various members of the five major groups of reptiles showing how they eat, live, and reproduce.

## INTRODUCING THE UNITED KINGDOM (UW)

general 21 minutes B&W: \$3.15

Describes the country and the people: geography, history, achievements, economic life, occupations, and social customs. Explains the United Kingdom's role in the North Atlantic Treaty Organization.

## INTRODUCING THE UNITED STATES (UW)

general 21 minutes B&W: \$3.15

Describes the country and the people: geography, history, achievement, economic life, occupations, and social customs. Explains the United States' role in the North Atlantic Treaty Organization.

## INTRODUCING TURKEY (UW)

general 21 minutes B&W: \$3.15

Describes the country and the people: geography, history, achievement, economic life, occupations, and social customs. Explains Turkey's role in the North Atlantic Treaty Organization.

## INTRODUCTION TO ANIMAL DISSECTION (IFB)

h-c 11 minutes Color: \$3.60

Proper preparation, use, and maintenance of basic laboratory equipment is reviewed, instilling in the biology student a respect and understanding of the tools and techniques he will use. Students are shown employing forceps, probes, scalpel blades, and other lab instruments to dissect common vertebrates and invertebrates. The right tool for the right job is emphasized.

## INTRODUCTION TO ARCHITECTURE (AMERICAN HOMES) (ATH)

j-h-c 9 minutes B&W: \$2.15

Presents the development of American homes from the practical structures of colonial times to the present day modern designs, and stresses the role of the architect in any well-designed house.

## INTRODUCTION TO BIOLOGY (EB)

j-h 14 minutes B&W: \$3.40

This film provides an excellent overview of the field of biology for prospective students and beginners. It also explains graphically the life processes and depicts ways in which biology is applied to such problems of daily life as combating disease and controlling insect pests.

## INTRODUCTION TO CHEMISTRY (C)

j-h-c 11 minutes B&W: \$2.15, Color: \$3.40

Here is a film designed to stimulate an interest in the study of chemistry as well as provide important classroom instructions. Beginning with a clear-cut definition of chemistry, the motion picture introduces some of the important terms and materials common to the subject. Then some of the major industrial applications of chemistry are presented along with everyday uses found in the home and on the farm.

## INTRODUCTION TO ELECTRICITY (C)

i-j 10 minutes B&W: \$2.15

David and Marilyn investigate current and static electricity. They learn about electrons, and how the natural repulsion of these tiny negative particles makes electricity with chemicals and with magnetic lines of force.



**INTRODUCTION TO FIELD ARCHERY (HCA)**

j-h-c-a 10 minutes Color: \$3.60

The popular game of field archery is explained in an entertaining way. A family of four are introduced to field archery. How they learn the game and become enthusiastic followers of the sport is shown. A film that will double the interest of the archer who has never played the game and create interest in the non-archer to start playing.

**INTRODUCTION TO FLYING (CAA)**

c 10 minutes Color: \$2.15

A recent graduate of a pilot course debunks some of the silly rumors and beliefs that crop up with each new class of student pilots.

**INTRODUCTION TO FOREIGN TRADE (C)**

j-h 10 minutes B&W: \$2.15

The importance of foreign trade to our economy is presented against a general picture of the mechanics of international commerce. The role of monetary standards and control, national policies in reference to those controls, distribution of raw materials and markets are shown.

**INTRODUCTION TO FRACTIONS (JHP)**

i-j-h 11 minutes B&W: \$2.15

The meaning and use of fractions are shown by animation. Designed for fifth or sixth grades, should be equally effective for remedial work and review in higher grades.

**INTRODUCTION TO HAITI (OIAA)**

j-h-c-a 10 minutes Color: \$2.15

We make a trip around Port-au-Prince, the capital, and through the City of Cap Haition, but the richness of this film is the story of Haiti, which became one of the first independent Negro nations in the world. Ruins of remarkable buildings, such as the palace built by Henri Christophe, self-crowned king of the country, remind one that Haiti had a great deal to do with Napoleon's dream of empire in this hemisphere.

**INTRODUCTION TO JAZZ (UC)**

general 12 minutes B&W: \$2.65

Photographed in sepia, this film tells the story of the evolution of jazz from 1895 to 1920. Depicts the origin of this musical form in Africa, its transmission to the United States by the slaves brought here, and its gradual spread from New Orleans through this country and the world as a whole.

**INTRODUCTION TO MECHANICAL DRAWING (SILENT) (CO)**

j-h 15 minutes B&W: \$1.65

Mechanical drawing is shown and demonstrated for the beginner. Materials are lined up and the correct methods of procedure are demonstrated.

**INTRODUCTION TO OXYACETYLENE WELDING (JH)**

h-c-a 19 minutes B&W: \$3.65

The importance of the welder's job is indicated and the proper use of his tools and equipment is demonstrated. Shows the correct method to get the proper flame and the way to hold the torch and the welding rod. Includes instructions on finishing job and putting away tools.

**INTRODUCTION TO PHYSICS (C)**

j-h-c 10 minutes B&W: \$2.15

This film shows the main divisions of physics and provides a basic vocabulary for the study of physics. Some of the most important concepts of this science are illustrated. Those who intend to further their studies in science will find this an excellent guidance film.

**INTRODUCTION TO RADAR (CAA)**

j-h-c 22 minutes B&W: \$2.15

An elementary explanation of radar covering the basic theory on which it operates, nomenclature, the different kinds of radar (detection, search, aircraft warning, homing, navigational aid). Includes a brief description of P.P.I. Ends setting up a problem and solving it by radar.

**INTRODUCTION TO STUDENT TEACHING (IU)**

c-a 18 minutes B&W: \$3.65

Shows the activities of Bill, Nancy, and Carol during the early weeks of their student teaching experiences. Helped by competent and interested supervising teachers, they learn to get acquainted with the school, handle routine classroom matters, become familiar with a variety of instructional materials, and learn as much as possible about the pupils.

**INTRODUCTION TO THE ART OF FIGURE SKATING (NFBC)**

j-h-c-a 11 minutes B&W: \$2.15

Barbara Ann Scott demonstrates the fundamentals of figure skating. Types of skates, basic figures and analysis of a few more complex turns.

**INTRODUCTIONS (SM)**

general 10 minutes B&W: \$2.15

Typical situations in home, business, school, party, and official gatherings are used to depict varied forms of easy, gracious greetings and conversation. Demonstrates various types of introductions.

**INTRODUCTORY LESSON IN SPANISH, AN (ALT)**

j-h-c 18 minutes B&W: \$3.15

This film reviews and provides the opportunity for oral practice of fundamental principles which teachers must explain and continue to stress throughout the course of study. An analysis of the errors which are common in the average classroom during the first few months of study is emphasized.

**INVASION OF FORTRESS EUROPE—ROME FALLS TO THE ALLIES (UW)**

h-c 8 minutes B&W: \$1:50

Spot motion pictures of the most important war movements in history are pictured. The invasion subject shows the tremendous sea, sky, and land assaults, together with gripping action shots of the fighting to establish beachheads. The dramatic climax of the twenty-four day offensive to liberate Rome is shown. The German retreat is disorganized and Allied armies are seen sweeping into the Eternal City through the heart of the governmental district.

**INVENTIONS IN AMERICA'S GROWTH—I (1750-1850) (C)**

i-j 9 minutes Color: \$3.40

In 1850, when the first reaper comes to his community, an old settler recalls his first sights of the spinning jenny, cotton gin, steam engine, steamboat, locomotive, and telegraph—inventions of his lifetime—and remembers the effects of these machines in meeting the needs of a growing America. Authentic machines and models are shown.

**INVENTIONS IN AMERICA'S GROWTH—II (1850-1910) (C)**

i-j 11 minutes Color: \$3.40

The boy who saw his first reaper in 1850 grew to manhood and moved to the city, as machines concentrated population. By 1910 life was revolutionized by the phonograph, telephone, electric lamp, streetcar, motor car, airplane, and radio.

**INVITATION TO MUSIC (OF)**

general 14 minutes B&W: \$3.35

Preparation for the annual May Music Festival in Florence, Italy, is the theme of this portrayal. A dress rehearsal of "Il Travatore," routines of the ballet and a string quartet's study of a Mozart piece are featured. Also heard is a choral rehearsal of a Verdi classic.

**IONIC EQUILIBRIUM (CHEMISTRY LAB. SERIES) (C)**

h-c 16 minutes B&W: \$3.15

A preparation of cupric bromide solution is used to demonstrate several features of ionic equilibrium. The "common ion" effect is discussed and demonstrated by using acetic acid and an acetate salt, and hydrochloric acid and a chloride salt, along with appropriate indicators. The formation and solution of precipitates is considered.

**IONIZATION (C)**

h-c 18 minutes Color: \$6.15

The theory of ionization is treated with emphasis on its present important status in chemistry. The film defines the theory and explains the identifying characteristics of ions and where they occur. Electrolytes, dissociation, solvents, electrovalent compounds and covalent compounds are shown by animation and laboratory demonstration. Practical uses of ionization in industrial chemistry are also shown.

**IRAN: BETWEEN TWO WORLDS (EB)**

general 15 minutes Color: \$5.15

In this study of Iran today, the remnants of the Persian Empire are contrasted with the growing influence of Western thought and technical development. Iran's major cities, arts and industries are pictured against a backdrop of village life unchanged in twenty-five centuries.



**IRELAND (McGH)**

j-h-c-a 15 minutes B&W: \$2.65  
Shows the simplicity of life in Ireland in peace as well as in war. Presents a glimpse of the proverbial Irish character, as in the scenes of Race Week at Leopardstown, and a brief study of the administration of President Éamon De Valera.

**IRELAND: LAND AND THE PEOPLE (C)**

i-j-h 10 minutes Color: \$3.40  
Journeying through the countryside and into the cities of Ireland, we see that the people of this scenic island raise cattle and sheep, dig peat, and cultivate the land. We learn of the division of the island resulting in Northern Ireland and Eire. In Eire, we observe new industrial developments in a land traditionally agricultural.

**IRISH CHILDREN (RURAL LIFE IN WESTERN IRELAND) (EB)**

i-j 9 minutes B&W: \$2.15  
Reveals some of the characteristic activities of a typical Irish farm family. Deals especially with the young brother and sister at play as they help other members of the family with household and farm chores. Follows the whole family as they go to the bog to dig turf and to enjoy a family picnic.

**IRON CURTAIN LANDS (GJ)**

i-j-h-c-a 22 minutes Color: \$6.15  
Recent footage shot with neither supervision nor censorship. Music was recorded in Russia; the bells are the actual Kremlin bells. Film covers a wide range of Russian life and activities: Government, religion, education, the arts, and agriculture, as well as city and rural life.

**IRON ORE MINING (A)**

j-h-c-a 14 minutes Color: \$4.20  
Hibbing, Minnesota, is the scene of a typical open-pit mine. The methods used in extracting the iron from the mine, its transportation through the Great Lakes, and its arrival at the blast furnaces and steel mills of the large cities are explained and illustrated.

**IRON: PRODUCT OF THE BLAST FURNACE (A)**

i-j-h-c 14 minutes Color: \$3.40  
Presents diagrams to show what happens inside a blast furnace. Explains how iron ore, coke, and limestone, put into the blast furnace in solid form, are transformed into a liquid metal of pure iron which will be made into steel. Also develops a study of transportation methods and automatic machinery.

**IRRATIONAL NUMBERS (TEACHER EDUC. IN MODERN MATH. SERIES) (McGH)**

c-a 22 minutes B&W: \$5.15  
A new way of looking at and teaching irrational numbers to ninth graders, using the concept of decimal fractions to arrive at a positive statement of what an irrational number is, rather than the usual negative statement of what an irrational number is not.

**IRRIGATION FARMING (EB)**

i-j 10 minutes B&W: \$2.15  
Illustrates man's ingenuity in using the resources of nature to make usable and profitable a land that would otherwise be desert. How engineers harness the water which begins with melting mountain snow is shown, as well as how the farmer uses the water by various methods of irrigation such as the pipe, the canvas, and the ditch methods.

**IRRIGATION TO MAKE THE DESERT BLOOM (YA)**

i-j-h 17 minutes B&W: \$3.40  
Discusses irrigation of desert land in America's Southwest as an example of what irrigation is, how it is planned and accomplished, and the results it brings to man and the land he irrigates. Traces irrigation from ancient days, and explains the mechanics of irrigation.

**IS THERE COMMUNICATION WHEN YOU SPEAK (McGH)**

h-c-a 18 minutes B&W: \$3.65  
How to get an idea from the speaker to the audience. How the voice, pronunciation, articulation, language, movements, and visual aids are used. How the speaker can tell if he is getting his message across.

**IS THIS LOVE (McGH)**

h-c-a 17 minutes B&W: \$3.40  
The film contrasts two romances, one based on impulse and emotion, and the other going through stages of dating, courtship, going steady and engagement. Leads to discussion and evaluation of the two romances.

**ISAAC NEWTON (C)**

j-h 13½ minutes B&W: \$2.90  
How the genius of Sir Isaac Newton significantly changed the course of several branches of the physical sciences and of mathematics is the theme of this film. Newton's researches in the binomial theorem, the differential and the integral calculus, his theory of light, and his law of gravitation and laws of motion are dramatically re-enacted as they relate to his life and work in England.

**ISLAND NATION—JAPAN (UW)**

j-h-c-a 19 minutes B&W: \$4.15  
Living is difficult in an area where farmland and other natural resources are limited; but by working hard and by developing industry, densely populated countries can overcome some of their difficulties. This film shows us that no country illustrates this geographic principle better than Japan. We see what this country of 80,000,000 people, handicapped by mountainous terrain, and without the necessary raw materials for industrial development, has done to overcome her difficulties.

**ISLANDS OF THE SOUTH PACIFIC (AB)**

j-h-c-a 15 minutes Color: \$4.70  
Presents an overall picture of the physical and cultural geography of the South Pacific island world. Maps provide orientation as the types of islands, their origin and characteristic features are explained. Distance is shown as the most important geographical factor, limiting the distribution of plant and animal life and the settlement of man in this vast ocean world.

**ISLES OF THE CARIBBEAN (PAA)**

j-h-c-a 30 minutes Color: \$7.15  
A trip to the West Indies—Cuba, the Dominican Republic, Puerto Rico, Antigua, Barbados, Martinique and Curacao. Shows the beauty of the islands and the influence of Europe that still remains.

**ISRAEL (THIS WORLD OF OURS SERIES) (IFI)**

i-j-h 9 minutes Color: \$2.95  
Shows old and new Israel in a trip to Jerusalem, Mt. Zion, the Tomb of King David, Nazareth, the Jordan River. Shows the land being made productive.

**ISTANBUL AND IZMIR (IFB)**

i-j-h 11 minutes Color: \$3.80  
Defines boundaries and neighboring nations. Contrasts the ancient and the modern—Roman remnants and scenes of contemporary home and community life.

**IT DIDN'T HAVE TO HAPPEN (IFB)**

c-a 13 minutes B&W: \$3.15  
Illustrates how the careless worker who scorns safety devices on modern machinery endangers not only his own life but the lives of fellow workers. This stark portrayal of a careless employee and the tragic result of his slipshod methods will drive home a lesson on the need for constant use of safety guards to all who need them and to all who think they don't.

**IT DOESN'T HURT (C)**

p-i 9 minutes B&W: \$2.15  
After suffering with a decayed molar, George resolves to take good care of his teeth.

**IT HAPPENED TO CRUSOE (OF)**

p-i 7 minutes B&W: \$1.70  
The King of the Cannibals disowns his son, Westchester, because the latter is a vegetarian. The lad goes off through the jungle to become Robinson Crusoe's man, Friday. While on a lion hunt, Crusoe and Friday are captured by the cannibals. Suddenly a tiger springs into the crowd and Crusoe pulls out his violin.

**IT MUST BE LOVE (UW)**

p-i 7 minutes B&W: \$1.70  
Gandy Goose flatfoots through this amusing tale of rivalry with a regal rooster for a duckling's love. Gandy discovers that fine feathers are not always good.



**IT TAKES EVERYBODY TO BUILD THIS LAND (EB)**

i-j 22 minutes B&amp;W: \$4.15

Against a unique background of modern folk ballads sung to guitar accompaniment, this film traces the development of specialization in American industry and agriculture. It explains why specialization is profitable and important to us and graphically shows that we all depend on specialists for food, clothing and shelter. Particular emphasis is given to interdependence in farming, tool making, fishing, clothing, manufacturing, and lumbering.

**ITALIAN CHILDREN: HARVEST TIME IN UMBRIA (EB)**

i-j 11 minutes B&amp;W: \$2.15

Charmingly depicts activities in the daily life of farm children in the province of Umbria. Portrays interesting features of their home environment such as their house, garden, and food, and shows the children participating in the farm work—particularly in the picking and processing of olives. Illustrates the role of family festivals and musical enjoyment in the lives of Italian children, and features market day activities in the historic city of Assisi.

**ITALIAN INTERLUDES (PIZ)**

j-h-c-a 13 minutes Color: \$3.70

Gives a poetic interpretation of facets from the Italian scene: the dream-world of Venice, the splendor of the Roman fountains, the Colosseum and the Roman Forum.

**ITALIAN PENINSULA (C)**

i-j-h 10 minutes B&amp;W: \$2.15, Color: \$3.40

Within the boundaries of the "Italian Boot" is a country of unusual geography. The cool climate of the north, the Mediterranean climate of the south, the twin coastlines, the "backbone" of mountain ranges have helped to produce different types of agriculture and living patterns. To give meaning and personality to this study, your students will meet a silk factory worker in Milan, a rice farmer in the Po Valley, a high school student in Rome, and a citrus fruit grower near Naples.

**ITALY (MOT)**

j-h-c 12 minutes B&amp;W: \$2.65

The story of modern Italy, with emphasis on the chaotic condition of that vanquished nation at the end of the conflict is presented. Also incorporated in this film is an absorbing sequence on Vatican City, politically independent capital of the Roman Catholic world.

**ITALY (THIS WORLD OF OURS SERIES) (IFI)**

i-j-h 11 minutes Color: \$2.95

The geography of the country and how it affects the life of the people is investigated and discussed in this survey of the Italian peninsula.

**ITALY—PENINSULA OF CONTRASTS (EB)**

i-j-h 19 minutes Color: \$4.65

Presents a comprehensive survey of the physical and economical geography of Italy together with a portrayal of the life of the people and of the rich Italian heritage in history and art. Animated maps point up key aspects of Italy's geographical pattern and help explain their influence on life and work in that country.

**IT'S A CAT'S LIFE (F)**

p-i 11 minutes Color: \$3.20

Information about cats and kittens, their habits and care. Stresses kindness to animals.

**IT'S A TREE COUNTRY (AFP)**

h-c-a 15 minutes B&amp;W: \$2.15

This is the story of forests, forest products, and their relationship to the American economy. The process of timber growing and harvesting is explained. The problems of maintaining our tree numbers and of eliminating the hazards which threaten the crop are reviewed and discussed.

**IT'S ALL YOURS (PB)**

j-h-c 9 minutes B&amp;W: \$1.65

Has as its aim the inspiration of young people to acquire the habit of reading. One may read for fun or with a definite purpose. Ralph Bellamy has the lead part.

**IT'S CARVING TIME (USDA)**

j-h 5 minutes B&amp;W: \$2.15

Introduces "side carving," showing step-by-step the easy way of carving a roast turkey.

**IT'S FUN TO READ BOOKS (C)**

i-j 10 minutes B&amp;W: \$2.15

This film develops attitudes in younger pupils which will lead to habits essential to the enjoyment of reading. It answers these questions: Where do we get the books we read? How do we take care of books? How do we get fun from books?

**IT'S FUN TO SING (SF)**

h-c-a 11 minutes B&amp;W: \$1.65

Sixty Toronto business girls, under the direction of Leslie Bell, present such numbers as: *Green Sleeves*, *Long Beach Sea*, *Ah, Si Mon Moine*, and *Palestrina's Sanctus*. The concert ends with *Dry Bones*.

**IT'S ONLY THE BEGINNING (HC)**

h-c-a 10 minutes Color: \$3.40

Combines live action and cartooning to show the tremendous cost of industrial research and its importance to progress. The source of funds with which such research is financed is traced directly to profits. Explains the value of industrial research and industrial profits to John Q. Citizen.

**IT'S OUR JOB (WPP)**

h-c-a 33 minutes B&amp;W: \$6.15

Uses unsophisticated narrative to show how a foreman can best do his job. Covers not only relationships between the foreman and workers, but also relationships between a foreman and other foremen.

**IT'S THE MAINE SARDINE (USDI)**

general 18 minutes Color: \$2.15

The Maine sardine fishery shows the colorful methods of capturing and processing sardines. This film has been awarded the first prize in the public relation category of the Tenth Annual Exhibition of Cinematographic Art in Venice, Italy.

**IT'S UP TO YOU (FILM SPLICING) (AE)**

h-c-a 15 minutes B&amp;W: \$2.65

Demonstrates the repair procedure of motion picture film, such as slicing, removing damaged portions, and repairing broken sprocket holes. Also shows the use of film leader, cleaning method, and storage of film.

**IT'S UP TO YOU (SUPERVISORY TRAINING FILM) (CAV)**

c-a 24 minutes B&amp;W: \$4.65

How a young executive in a retail store develops the qualities of a good supervisor is depicted.

**IT'S YOUR AMERICA (UW)**

general 33 minutes B&amp;W: \$4.65

These are the adventures of a soldier who through the Lincoln one-cent piece learns about freedom, democracy, and liberty.

**IT'S YOUR LIBRARY (M)**

i-j 11 minutes B&amp;W: \$2.15

The story of a nine-year-old boy's discovery of a rich and adventurous world. Explains the essential mechanics of the library, and shows the many ways in which a librarian enriched the lives of the young people of a town.

**JACK AND THE BEAN STALK (SF)**

p-i 10 minutes B&amp;W: \$1.65, Color: \$3.40

Dialogue spoken by the characters gives this enchanting fairy tale a realistic appeal. It encourages children to retell the story in their own words.

**JACK'S VISIT TO COSTA RICA (C)**

i-j 10 minutes B&amp;W: \$2.15

Jack, a typical American boy, visits Costa Rica, lives with an average Costa Rican family, shares their life and activities.

**JACKSON'S POLLOCK (AFF)**

h-c-a 11 minutes Color: \$3.65

The American abstract painter, Jackson Pollock, narrates and appears in this film explaining and illustrating his technique and form of painting.

**JAIL BIRDS (UW)**

p-i 5 minutes B&amp;W: \$1.20

Jail-bird mouse and convict cat friend escape together. Bloodhounds sniff their trail and armed guards shoot.



**JAMES FENIMORE COOPER (EB)**

j-h-c-a 17 minutes B&amp;W: \$4.15

Reasons for Cooper's literary greatness become apparent in this moving story of significant incidents in his life. We see him grow from a young man, dreaming of adventure on the frontier, to a mature distinguished novelist.

**JAMESTOWN: THE FIRST ENGLISH SETTLEMENT IN AMERICA (EB)**

i-j-h-a 22 minutes Color: \$7.45

This film depicts the story of the development of the Virginia Colony from 1610 to 1622 when the earliest seeds of free elections and self-government were sown in the new world. The film also shows how the colony developed economic foundations for its existence and gives an insight into some of the day-by-day problems of the early settlers.

**JAMESTOWN COLONY, THE (1607 THROUGH 1620) (C)**

i-j 17 minutes Color: \$4.65

This vividly dramatic record of events at Jamestown is rich in authentic details made possible by the historically accurate reconstructions at the Jamestown Festival of 1957. The Colony's early history is chronicled, showing the voyage of the first settlers from England, and the faith and dedication required of them and later arrivals in overcoming the hardships in America and in permanently establishing their colony.

**JAMESTOWN, WILLIAMSBURG, AND YORKTOWN (PFI)**

i-j-h 12 minutes B&amp;W: \$2.65

Photographs of these towns in Virginia and animated sequences recall the life in this part of the Colonies in the years 1607 and 1781.

**JAN PEECE AND NADINE CONNER (WAR)**

j-h-c-a 14 minutes B&amp;W: \$3.35

A deserted opera house comes to life and the voices of Peerce and Conner are heard in a re-creation of three of their celebrated aria performances. Mr. Peerce sings *O Paradise* from Meyerbeer's "L'Africaine"; Miss Conner sings *Norina's Aria* from Donizetti's "Don Pasquale," and the two join in the *Duet* from "Lucia di Lammermoor."

**JANE EYRE (TFC)**

j-h-c-a 40 minutes B&amp;W: \$6.55

Based on the novel by Charlotte Bronte. Opens with the cruelties of Jane's childhood, and follows her through years of happiness and tragedy at Thornfield Hall to her eventual marriage with Edward Rochester. *Restricted to Classroom Use.*

**JAPAN (JBP)**

j-h-c-a 30 minutes Color: \$8.90

This film depicts the community life of Japan with emphasis on customs, ancient and new ways of life, and problems of modern Japan. Visits various communities such as fishing and manufacturing industries and farming villages. The nature of Japan's economic problems and how their people encounter these problems are also discussed.

**JAPAN AND DEMOCRACY (MOT)**

j-h-c-a 18 minutes B&amp;W: \$3.40

Shows the life of a typical Japanese family, discloses Japan's new-found freedom, and indicates the nation's economic and cultural problems.

**JAPAN—80,000,000 MOUTHS TO FEED (EB)**

i-j-h-c 11 minutes Color: \$3.40

The ways in which the people of heavily populated Japan utilize all possible land for farming are clearly illustrated by this remarkable film. Shown are farmers at work in the rice fields, planting, fertilizing, harvesting, threshing, and hulling the crop which is the "bread" of Japan. Men and women harvest and process tea. Fishermen fight the rolling surf to bring in the much-needed catch; other workers gather edible seaweed and prepare salt from sea water.

**JAPAN HARVESTS THE SEA (WDP)**

i-j-h 29 minutes Color: \$9.90

Shows activities of the people in a Japanese fishing village. While the fishing boats are out to sea, men repair and dye nets and work on new boats. Follows the Ama or diving girls as they gather a variety of seaweed called "heaven grass." We see how this seaweed is dried, pounded to remove impurities, baled and weighed, and finally sent to industrial centers for processing. Closes as evening brings the evening meal and rest and relaxation to these hard-working people.

**JAPAN: THE LAND AND THE PEOPLE (C)**

i-j-h 10 minutes B&amp;W: \$2.15, Color: \$3.40

The modern island nation, small, mountainous, with limited amounts of arable land, takes on the tremendous job of growing and supporting itself. The relationships between climate and crops, between terrain and industry, are important in this colorful country that must depend on its production of rice, tea, silkworms, and timber as the basis for its modern industry.

**JAPANESE FAMILY (JBP)**

general 23 minutes B&amp;W: \$4.65

Story of the Kawai family, silk weavers of Kyoto, Japan. Shows the adults at hand-operated looms weaving beautiful silk brocades. Depicts preparations for and family observance of Japanese New Year.

**JAPANESE FISHING VILLAGE (YA)**

i-j-h 13 minutes B&amp;W: \$2.95, Color: \$4.90

In the small Japanese fishing village of Himajo, the people are still utilizing the ways of their ancestors. Going through their typical day, you understand why fishing is important to their existence.

**JAPANESE PERIMETER, THE (AIR POWER SERIES) (CBS)**

h-c-a 28 minutes B&amp;W: \$5.65

A dramatic account of the decisive battle at Midway in the Pacific, where American air and naval units turned the tide of the Japanese offensive into a conclusive and far-reaching defeat.

**JASCHA HEIFETZ (WAR)**

h-c-a 26 minutes B&amp;W: \$4.90

The incomparable violinist, accompanied by Emanuel Bay, are heard in informal recital on the campus of Pomona College. Selections include *Sweet Remembrance* by Mendelssohn; *Sonata* by Brahms; *Melodie* by Gluck; *March* from "Love for Three Oranges" by Prokofieff; *Polonaise* by Wieniawski; and *Hora Staccatto* by Dinicu-Heifetz.

**JASCHA HEIFETZ: PORTRAIT OF AN ARTIST, THE (WAR)**

h-c-a 26 minutes B&amp;W: \$4.90

The home and practice life of Jascha Heifetz is the subject of this film. In learning how the world-renowned violinist lives and prepares for public appearances, music lovers hear him play *Chaconne* by Vitali; *Prelude in E Major* by Bach; *Girl With the Flaxen Hair* by Debussy; *Scherzo Tarentella* by Wieniawski; and the *Caprice No. 24* by Paganini.

**JAVELIN (UW)**

j-h-c 10 minutes B&amp;W: \$2.15

In stressing fundamentals, condition and form, this film demonstrates the four stage catapult throw; run, strike, stance; hand and finger grips; balance of stomach and back muscle tension; throwing angle; and body and leg coordination.

**JAWAHARLAL NEHRU (EB)**

j-h-c-a 28 minutes B&amp;W: \$6.15

Prime Minister of India and a leader in his country's struggle for freedom, Nehru discusses his career and world events with Chester Bowles, former U. S. Ambassador to India. He describes his early life, his friendship with Gandhi, his experiences and hardships during the fight for freedom. He also expresses his views on the problems India now faces and the present critical world situation.

**JEAN AND HER DOLLS (EB)**

p 5 minutes Color: \$2.15

Designed to stimulate reading in the first grade.

**JEFFERSON DAVIS DECLARES SECESSION (TFC)**

j-h-a 6 minutes B&amp;W: \$1.50

Deals with the decisive moment when the rift between the North and South became final and irrevocable with the declaration of secession by Jefferson Davis in the United States Senate. *Restricted to Classroom Use.*

**JEFFERSON OF MONTICELLO (VSBE)**

j-h-c-a 18 minutes B&amp;W: \$3.15

Thomas Jefferson tells his own story against the background of his home in Virginia. Shows his birthplace in Abermarle County, his student surroundings at the College of William and Mary, and his architectural accomplishments.



**JEFFERSON, THE ARCHITECT (IFB)**

j-h-c-a 10 minutes B&W: \$2.15

Thomas Jefferson's contributions to post-colonial architecture and design. Monticello is depicted in detail including Jefferson's architectural work and furnishings he designed.

**JEKYLL AND HYDE CAT (UW)**

p-i 5 minutes B&W: \$1.70

The mice have a picnic, but they have to run from a storm into a strange house. It is Dr. Jekyll's (a cat) laboratory. Dr. Jekyll cannot catch mice until he drinks a certain potion and changes into a fantastic Mr. Hyde mouser. But he is no match for Mighty Mouse.

**JERRY PULLS THE STRINGS (AC)**

general 31 minutes B&W: \$2.15

A puppet love story. Presents much information about coffee culture and commerce.

**JERUSALEM, THE HOLY CITY (EB)**

i-j-h-a 10 minutes Color: \$3.40

Concentrating on historic settings and contemporary shrines of respective religions, this film depicts Jerusalem as a city sacred to the Jewish, Christian, and Mohammedan faiths. Especially prepared musical score and interpretive narration.

**JET ASSISTED TAKE-OFF OF CARRIER AIRCRAFT (UW)**

h-c-a 13 minutes B&W: \$1.65

Describes the structure of jet assisted take-off units for carrier aircraft. Shows handling, storage, and mounting of these units. Explains operational procedures for pilots.

**JET POWER (EXCURSIONS IN SCIENCE SERIES) (GE)**

j-h-c-a 11 minutes B&W: \$1.65

Jet engine development from the arrival of an experimental British jet during World War II to the end of 1952. It shows experiments with the first American jet. Earlier attempts to revolutionize aircraft propulsion are treated humorously.

**JET PROPULSION (EB)**

j-h 12 minutes Color: \$3.90

Provides a graphic and detailed explanation of jet propulsion in modern aircraft. Explains through animated drawings the workings of jet engines and the principles of physics on which they are based, relating them specifically to Newton's Third Law of Motion. Shows various types of jet engines and their uses. Portrays jet aircraft in flight and suggests future potential for this type of engine.

**JET PROPULSION (CAA)**

j-h-c-a 11 minutes B&W: \$2.15 1952  
15 minutes Color: \$2.15 1946

Planes of today still are powered by improved versions of the reciprocating engine of the Wright Brothers' 1903 airplane. Explains Newton's Third Law of Motion. Explains construction and operation of the jet engine and its similarity to the turbo-supercharger. Demonstrates flight characteristics of the P-80 "Shooting Star" and shows how this plane differs from conventional aircraft.

**JIMMY VISITS THE CITY (C)**

p-i 11 minutes B&W: \$2.15, Color: \$3.40

Jimmy's first trip to the city gives him glimpses of tall office buildings, congested streets, apartment buildings, elevated trains, department stores, and escalators.

**JOAN AVOIDS A COLD (C)**

p 10 minutes B&W: \$2.15

A boy violates the rules of good health and catches a cold. Joan follows the rules and avoids one. The need for cooperation of teachers, parents, and school authorities to reduce colds among school children is stressed.

**JOB EVALUATION (INDUSTRIAL ORGANIZATION AND MANAGEMENT SERIES) (McGH)**

c-a 10 minutes B&W: \$2.15

Management determines the requirements, duties, and pay scales of various jobs through job evaluation.

**JOE AND ROXY (NFBC)**

h-c-a 28 minutes B&W: \$5.40

Deals with teen-agers in love. Joe and Roxy, at fifteen and sixteen, respectively, face more than the usual number of

teen-age problems. Roxy, product of a broken home, tries to keep her romantic illusions alive against her mother's worry and disappointment in life. Joe turns unsuccessfully to his father, a man of narrow mind and dulled sensibilities, to help him decide his future. In their story the film contrasts the teen-agers' need for absolute rules with the confusion of adult standards.

**JOE DAVIS, AMERICAN (CIO)**

h-c-a 11 minutes B&W: \$2.15

Discusses discrimination in labor and the need for a national Fair Employment Practice Act with strong enforcement powers. Dramatized is the story of Joe Davis, American, a typical Negro college graduate who seeks a job in engineering. Senator Wayne Morse presents his opinion for the proposed act.

**JOHN C. CALHOUN (EB)**

j-h 18 minutes B&W: \$4.15

Depicts episodes in the career of Calhoun as a statesman and advocate of states' rights. Early political career events such as his part in the War of 1812, difficulties he encountered as Vice President, developments that changed him from a nationalist to a leader of the Southern sectionalists wing.

**JOHN C. FREMONT (EB)**

i-j-h 17 minutes B&W: \$4.15

Significant events in the rich, full life of John C. Fremont, cartographer, explorer, military general, presidential candidate, and territorial governor. Fremont's government work as an explorer and map maker in the Mississippi Valley and the West, his association with Kit Carson, his part in the Mexican and Civil Wars, his defeat for the Presidency, and his eventual appointment as territorial governor of Arizona are illustrated.

**JOHN GREENLEAF WHITTIER (EB)**

j-h-c-a 17 minutes B&W: \$4.15

Highlights in the life of one of America's most beloved poets and strongest abolitionists. Whittier's boyhood love for poetry, his association with William Lloyd Garrison, his work as a student and editor, his years of seclusion at Amesbury. Reveals how he was inspired by boyhood memories to write some of his best-loved poems.

**JOHN MARIN (AFF)**

j-h-c-a 27 minutes Color: \$6.65

With a musical background of Bach, Mr. Marin, one of America's leading water colorists, transposes the world about him into paintings that express the inherent movement of nature and his own reaction to it. The color camera reveals how completely the hues of nature enter his palette—the greens, blues and olives of a Maine seascape, the greys, pinks and browns of the New York skyline. Marin's methods of applying paint are examined, and something of his philosophy of art—often in direct quotation from the artist himself.

**JOHN MARSHALL (EB)**

j-h 19 minutes B&W: \$4.15

John Marshall was the founder of American constitutional law. Experiences of his boyhood, his role in the American Revolution, events which drew him into politics, how he became Chief Justice of the Supreme Court and was instrumental in making important decisions that solidified the court's authority.

**JOHN MARTIN AND SON (WPP)**

h-c-a 22 minutes B&W: \$2.15

John Martin took steps to improve the efficiency of his dairy herd. He started with an average production of five thousand pounds of milk per animal year. As a result of improvements suggested by the Dairy Herd Improvement Association, he got eighty-five hundred pounds per animal with over three hundred pounds of butterfat.

**JOHN QUINCY ADAMS (EB)**

i-j 20 minutes B&W: \$4.15

Dramatizes episodes in the life of America's sixth President and Father of American foreign policy. Reveals Adams' skill in diplomacy by portraying his career as an American representative in Europe and as Secretary of State and author of the Monroe Doctrine.

**JOHNNY APPLESEED: A LEGEND OF FRONTIER LIFE (C)**

general 16 minutes Color: \$5.15

The inspiring story of Johnny Appleseed—a man of peace whose goal was to make the world a better place for all living creatures—is imaginatively retold against the background of pioneer America. We see how Johnny's love of God and nature started him on a lifetime mission which made his name known throughout the land.



**JOHNNY AT THE FAIR (SF)**

**p-i** 9 minutes **B&W: \$1.70**  
 Johnny, a lad of five, takes matters into his own hands by leaving his parents and enjoying exhibits of his own interest at the Canadian Fair. His adventures includes watching a baseball game from Joe Louis's knee, being entertained by Olson and Johnson, and viewing speed boat races from an airplane.

**JOHNNY LEARNS HIS MANNERS (PF)**

**p-i-j** 18 minutes **B&W: \$3.15**  
 A narrated story illustrated on an artist's drawing board shows how a little boy who is untidy, ill-mannered and selfish is turned into a pig until his "Goodself" conquers his "Badself."

**JOHNNY'S NEW WORLD (NSPB)**

**c-a** 17 minutes **Color: \$2.15**  
 After several days in school, Johnny develops eye trouble. Alertness on the parts of the teacher, school nurse, and parents brings proper care.

**JOHNSON AND RECONSTRUCTION (TFC)**

**j-h-c-a** 39 minutes **B&W: \$8.00**  
 Adapted from *Tennessee Johnson*. Concerns the career of Andrew Johnson, who as Vice President under Lincoln, becomes President when Lincoln is assassinated. He attempts to carry out Lincoln's ideas of Reconstruction. He is bitterly opposed, faces impeachment proceedings but is acquitted by one vote. Later Johnson returns to Washington as Senator from Tennessee. *Restricted to Classroom Use.*

**JOINING A WAIST TO A SKIRT (SEW EASY SERIES #22) (AL)**

**j-h-c-a** 12 minutes **B&W: \$2.15**  
 The great emphasis of this film is placed on a smooth fitting waistline. In nine steps the blouse waist and the skirt waist are joined into a perfect fit without any trial or error fitting on the model.

**JOINTING EDGES AND END GRAIN 90° TO A FACE (UW)**

**h-a** 17 minutes **B&W: \$2.65**  
 Explains functions and operations of the jointer. Shows how to identify surfaces of a piece of stock, joint a square edge to size, and joint a piece of glued stock to size.

**JORDAN VALLEY (IFB)**

**j-h-c-a** 17 minutes **B&W: \$3.65**  
 Geographical background of the Scriptures. A trip along the Jordan from Palestine to the Dead Sea. Numerous places of Biblical importance. Modern methods appear alongside customs 2,000 years old.

**JOSE ITURBI, PIANIST (ICS)**

**i-j-h-c** 7 minutes **B&W: \$2.15**  
 Jose Iturbi, whose virtuosity and dynamic personality have won him world renown, plays *Sevilla* by Albeniz and *Fantasia Impromptu* by Chopin.

**JOURNALISM (VGF)**

**j-h-c** 10 minutes **B&W: \$2.15**  
 Opening with dramatic scenes depicting the varied life of a newspaper reporter, this film goes on to describe and display his work in specialized fields such as society, sports, music and drama, finance, and politics. Shows the educational requirements, basic training, and opportunities for success.

**JOURNEY TO MECCA (AFF)**

**h-c-a** 15 minutes **B&W: \$3.15**  
 Shows photographs of the annual pilgrimage to Mecca by 50,000 Moslems from many parts of the world. The historic and ritualistic significance of the tour is also explained.

**JUDGING EMOTIONAL BEHAVIOR (CW)**

**c-a** 22 minutes **B&W: \$4.15**  
 Principally designed to measure the sensitivity of individuals to the emotions of others. Ten sequences are shown in which two people under post-hypnotic suggestion are reacting as if certain events, described by a narrator, were happening to them. The observer must try to identify the emotions of the subjects and judge which is reliving a past experience.

**JUDY LEARNS ABOUT MILK (McGH)**

**p-i** 10 minutes **B&W: \$2.15**  
 While visiting her Uncle George's farm, Judy learns about milk. She sees how the cows are cared for and fed, how they are milked, and how the milk is taken from the farm to the dairy and then to the home.

**JUDY'S SMILE (AVF)**

**p-i** 10 minutes **Color: \$3.00**  
 Judy, a girl of primary school age, learns to take care of her teeth by brushing them properly and going to her dentist twice a year.

**JUKE BOX JAMBOREE (OF)**

**p-i** 8 minutes **B&W: \$1.70**  
 A sleepy mouse is whirled into a "Zowie." He comes out of it feeling reckless, and everything is merrier.

**JULIUS CAESAR (McGH)**

**j-h-c-a** 33 minutes **B&W: \$5.85**  
 Robert Speaight as Caesar and Cecil Truncer as Brutus in a condensation of the play by William Shakespeare.

**JULIUS CAESAR, ACT III, SCENE 2 (BIS)**

**j-h-c** 18 minutes **B&W: \$2.65**  
 Mark Antony's funeral oration, Act III, Scene 2, in a professionally staged setting.

**JUMPS AND POLE VAULT (EB)**

**j-h** 11 minutes **B&W: \$2.15**  
 Advantage is taken of slow motion photography for purposes of detailed study of form. Includes demonstration from actual competition in the running high jump; running broad jump; hop, step, and jump; and the pole vault. Provides opportunity for detailed study of the various techniques employed by champions.

**JUNGLE JIVE (OF)**

**p-i-j** 8 minutes **Color: \$2.55**  
 A shipwreck on the jungle isle leaves musical instruments on the beach. The natives discover strange gadgets that make strange sounds, and when they begin harmonizing them the jungle jumps to the beat of a terrific jive.

**JUNGLE MARAUDER (OF)**

**i-j-h** 8 minutes **B&W: \$1.70**  
 A villainous tiger stalks the jungle. Monkeys scramble to tree-tops, natives flee while the green-eyed tiger battles a black panther and then a water buffalo. Later the marauder strikes again in battle with a boa constrictor pitting his cunning against the deadly coils.

**JUNGLE YACHTS IN THE BELGIAN CONGO (IH)**

**j-h-c-a** 22 minutes **B&W: \$2.15**  
 Shows the trucks and specially built trailers used by the expedition of Commander Attilio Gatti. Natives and animals are seen in their natural environment.

**JUNGLES OF THE WORLD (KB)**

**i-j-h** 10 minutes **B&W: \$2.15**  
 Certain jungles have similarities. A comparison of the jungles of South America, Central Africa, Burma, and the East Indies to understand the sameness in vegetation, animal life, and adaptation. Methods used by man to adapt himself to tropical life are demonstrated.

**JUNIOR HIGH STORY, THE (JHC)**

**c-a** 28 minutes **Color: \$8.90**  
 A tour of several junior high schools indicates what schools are doing in helping youth become mature and useful citizens. A guidance program is suggested as well as training in building up democratic principles.

**JUNIOR PROM (SM)**

**j-h-c** 20 minutes **Color: \$6.40**  
 Two boys call for their girls to take them to the all important Junior Prom. This dramatization suggests the proper etiquette to observe.



**JUNIOR RODEO DAREDEVILS (EB)**

p-i-j 9 minutes B&W: \$1.75  
In this western rodeo boys and girls from six to sixteen ride broncos, rope calves, ride bulls, and race horses. At the end awards are made for their daring feats.

**JUST ASK JUPITER (UW)**

p-i 6 minutes B&W: \$1.70  
Willie Wee Mouse is warned of the hungry Tom Cat. He gets chased, upsets a container of ether, and dreams he is a cat. He feels fine until he meets a bulldog and finds that a cat's life is a "dog's life."

**JUSTICE UNDER LAW (TFC)**

h-c-a 33 minutes B&W: \$4.65  
An excerpt from the feature film *Boomerang*. Shows how, in a murder trial, the prosecuting attorney, convinced of the innocence of the accused, proceeds to disprove each piece of evidence which seemed to doom the man. Emphasizes the ideal of justice under American Law and the importance of weighing the evidence carefully to protect the individual's Constitutional rights. *Restricted to Classroom Use.*

**JUVENILE DELINQUENCY (THE SEARCH) (CBS)**

c-a 27 minutes B&W: \$5.65  
The joint cooperation of Wayne University and the city of Detroit have produced some astounding results on the problem of juvenile delinquency. Depicts a variety of interviews and interrogations of those arrested for violating the laws of society. Gives several conclusions of the research.

**KAMIKAZE (AIR POWER SERIES) (CBS)**

h-c-a 28 minutes B&W: \$5.65  
Captured Japanese film graphically tells the story of the intensively trained kamikaze pilots—suicide squadrons whose mission was to crash head-on into American aircraft or dive into American Navy ships during the invasion of Okinawa.

**KANGAROOS (EB)**

i 10 minutes B&W: \$2.15  
Kangaroos in their natural habitat in Australia are followed through feeding, hunting, and caring for their young. You see behavior characteristics of kangaroos in this nature study film.

**KARBA'S FIRST YEARS (NYU)**

c-a 20 minutes B&W: \$4.15  
A study of Balinese childhood is presented by Margaret Mead, who narrates this film. By the training of his parents in their culture, Karba develops a character that is gay, artistic but withdrawn. Scenes are shown during his first year. At one year, Karba is having an "informal music lesson." At 13 months he is walking by a bamboo rail. At 14 months, the parents teach him attitudes through various games.

**KEEP UP WITH YOUR STUDIES (C)**

j 11 minutes B&W: \$2.15  
Daily assignments and how to handle them efficiently. It motivates interest in doing well on these assignments and doing them regularly. Specific and helpful suggestions on organizing study time, study materials, and study conditions.

**KEEPERS OF THE LAMP (MPA)**

h-c-a 22 minutes B&W: \$3.15  
Why do girls choose nursing as a career? Four nursing students are shown during their nursing school days and engaged in the field each chooses—general duty, surgical nursing, public health, and military service.

**KEEPING CLEAN AND NEAT (EB)**

i-j 11 minutes B&W: \$2.15  
When two eighth grade students visit a lower grade classroom to choose helpers for their assembly program, the younger children begin to realize the value of making a good appearance. Through trick photography, two of the youngsters are whisked back to their homes to retrace—and improve—their routine for keeping clean and neat. Taking the boy and girl separately, the film illustrates a practical, step-by-step routine for washing, dressing, grooming, and caring for their clothes.

**KEEPING THE PEACE (BIS)**

h-c-a 10 minutes B&W: \$1.65  
The Atlantic Pact and North Atlantic Treaty Organization brings international cooperation between the United States and countries of Europe. These two collective security measures are given an historical approach.

**KEEPING YOUR CAR FIT (UW)**

h-c-a 11 minutes B&W: \$1.65  
Explains why a weekly checkup on your car is necessary and tells the importance of tire rotation, regular lubrication, and periodical oil filter and cooling system inspection.

**KEEWAH THE MONKEY KING (COF)**

p-i-j 10 minutes B&W: \$2.15  
Keewah is a Javanese monkey who lives in Singapore. The life of Keewah, from babyhood till he becomes king of the monkeys.

**KEEWAYTINOOK (NFBC)**

j-h-c-a 27 minutes Color: \$2.15  
The land of forests, rocks, lakes, and rivers reaching from the Arctic to the Atlantic is called Keewaytinook by the Indians. This film explores part of Keewaytinook as we visit the lake-lands of northern Saskatchewan and Lac-la-Ronge. We see a party of Montana fishermen who have come to enjoy the thrills of fishing in teeming waters and in majestic natural surroundings.

**KEITH, THE WOMBAT (LFI)**

general 7 minutes B&W: \$2.15  
Native to Australia, the wombat is an unusual animal. Keith relates his origin, history, and habits as a typical wombat.

**KENTUCKIE RIFLE (AB)**

i-j-h-a 10 minutes Color: \$3.40  
When the pioneer went exploring, he carried the Kentuckie rifle with him into the wilderness, and used the rifle for hunting. Shows basic mechanism of the rifle and proper care.

**KENTUCKY DERBY STORY (RKO)**

general 17 minutes B&W: \$3.85  
Advance preparations for the Kentucky Derby involve a year's work. The mounting excitement as Derby Day approaches, activities at Churchill Downs, and the 75th running in 1949, as described by Clem McCarthy.

**KENTUCKY PIONEERS (EB)**

i-j-h 11 minutes B&W: \$2.15  
Shows how the settlers migrated West from the Eastern seaboard, braving dangers and hardships to clear lands and build log cabins.

**KEYBOARD EXPERIENCES IN CLASSROOM MUSIC (CTC)**

c-a 21 minutes B&W: \$3.65  
Introduces music time in a third grade class in a public school. Shows the children and teacher using the keyboard as they sing a familiar song and learn a new song. They use the keyboard along with the piano, autoharp, and bells to accompany a dance song.

**KID BROTHER (MHFB)**

h-c-a 27 minutes B&W: \$5.55  
The story of Phil, a "normal" teen-ager, who disgraces himself by getting drunk at his brother's engagement party. The film indicates some of the emotional problems of adolescence and the futility of trying to solve them by a form of self-destruction. Emphasis is given to the need for real understanding of the emotional crises of adolescents.

**KIDNAPPED (TFC)**

general 38 minutes B&W: \$5.75  
A shortened version of the feature film, based on the novel by Robert Louis Stevenson. When a small boy is left an estate by his father, his uncle tries to have him put away so that he will inherit the house. *Restricted to Classroom Use.*

**KIDNEYS, URETERS, AND BLADDER (BR)**

h-c 11 minutes B&W: \$2.15  
Anatomical features of the kidneys, the ureters, and the urinary bladder. Animated drawings describe the functioning relationship of the parts of the system, the process of urine formation, and the elimination of waste matter.

**KILLERS OF THE SEA (RFP)**

i-j-h-c-a 28 minutes B&W: \$4.25  
An authentic film showing actual battles with man-eating monsters of the sea. Captain Casewell, armed only with a knife, dives overboard after his prey. Actions are described by Lowell Thomas.



**KILLING WEEDS WITH 2,4-D (USDA)**

h-c-a 19 minutes Color: \$4.65

A new weed killer, 2,4-D, is doing much to cut down the weed problem in the United States. Common weeds are shown before and after spraying along with spraying techniques.

**KINDNESS TO OTHERS (C)**

p 10 minutes B&amp;W: \$2.25

What is kindness? Sam's class begins to learn the answer on the very day that Sam becomes ill and is absent from school. Everyone in the class remembers Sam's kindness to his family, to his classmates, and to animals. His classmates find the pleasures that come from practicing kindness.

**KING AND THE LION (ATH)**

p-i-j-h 17 minutes Color: \$4.65

Based on Aesop's Fable "Androcles and the Lion." Shows that we receive love and kindness in return for giving it.

**KING COBRA (YA)**

j-h-c-a 14 minutes B&amp;W: \$2.70

An informative film dealing with the hooded King Cobra snake and the experimental medical uses of its venom.

**KING LEAR (ACT I, SCENE IV) (UW)**

j-h-c-a 13 minutes B&amp;W: \$2.80

The tragedy of a father's preference for one daughter who later turns on him in his hour of need. Performed by the Old Vic Repertory Company.

**KING MIDAS AND THE GOLDEN TOUCH (C)**

p-i 11 minutes B&amp;W: \$2.15

An unusual version of this well-known fable of a king who coveted gold comes to life as puppets teach the lesson. Other fantasies in this series are Cow and the Sprite, Rumpelstiltskin, Honest Woodsman, and the Legend of the Pied Piper.

**KITCHEN HABITS (UW)**

h-c-a 14 minutes Color: \$3.25

Shows the importance of developing good habits relating to food sanitation, and stresses individual awareness of personal responsibility and effective supervision to develop these habits in others.

**KITTENS: BIRTH AND GROWTH (BFS)**

p 11 minutes Color: \$3.60

Robin and Billy watch the birth and growth of four kittens.

**KITTY CLEANS UP (McGH)**

p 10 minutes B&amp;W: \$2.15

Before Helen takes Kitty to the pet show at school, she bathes, dresses, and eats. The cat parallels Helen's actions in washing and eating.

**KITTY GETS THE BIRD (UW)**

p-i 9 minutes B&amp;W: \$1.70

Poor Kitty meets a cat-astrophic fate and goes out the window with her good intentions when she is misled by a dirty rat. The mischievous mouse gives Kitty the "bird" when he insists on an early Thanksgiving dinner.

**KNIFECRAFT (ASF)**

j-h 11 minutes B&amp;W: \$1.90

Ben Hunt illustrates the proper care and handling of the pocket knife as he prepares for and whittles a Katcina Doll lamp. Includes the painting of the Indian designs to finish the lamp.

**KNIGHTS ON THE HIGHWAY (JH)**

h-c-a 8 minutes B&amp;W: \$2.15

Using the interstate truck driver as an expert authority on night driving, the six most important rules for after dark highway safety are illustrated and summarized.

**KNOCK, KNOCK (SF)**

p-i 6 minutes B&amp;W: \$1.70

Woody's beak tears through Andy's door, and Andy tries to shoot Woody. Andy also tries to get even with Woody by putting salt on his tail and by using a beautiful pigeon decoy.

**KNOCK ON EVERY DOOR (CH)**

j-h-c-a 28 minutes B&amp;W: \$4.15

Tells about a mother-in-law's work in her local precinct. Although she had never been involved in politics, aside from voting, a chance attendance at a precinct meeting set off the chain of events that led to her participation in election work.

**KNOW THE EGGS YOU BUY (USDA)**

c-a 4 minutes B&amp;W: \$1.50

Shows the candling, sorting, and labeling of eggs. The meaning of grade labels will help the consumer understand which are the best to buy. In the kitchen, the relation between the grades of eggs and the use for which the eggs are intended is also illustrated.

**KNOW THE POULTRY YOU BUY (USDA)**

h-c-a 7 minutes B&amp;W: \$1.50

The advantages of knowing the quality and kind of poultry you want when you shop are demonstrated. Stresses buying poultry that has been inspected by the government, and what to look for in order to be sure of this inspection. Illustrates the various ways that poultry is packaged in the markets and gives recommendations for handling frozen and fresh-chilled poultry in the home.

**KNOW YOUR BABY (NFBC)**

h-c-a 10 minutes Color: \$3.15

Shows approved methods of care of the new baby. A home situation is shown where other children are present. Illustrates the necessity of consideration and understanding for the family to adjust itself to the demands of the newcomer.

**KNOW YOUR CAR (UW)**

h-c-a 14 minutes B&amp;W: \$2.65

Shows the construction of a car chassis; how the engine converts gasoline into power; the operation of the clutch, transmission, and rear axle; how brakes stop the car; how the electrical and cooling systems function; and what the gauges of the instrument panel indicate.

**KNOW YOUR FOODS (LFI)**

i-j 8 minutes B&amp;W: \$1.65

Food plays an essential part in body development. The film shows the importance of calories, proteins, and vitamins for growth and how to obtain them in foods.

**KNOW YOUR LIBRARY (C)**

j-h 10 minutes Color: \$3.40

Produced in collaboration with Miss Alice Lohrer, Assistant Professor of Library Science at the University of Illinois, its purpose is to aid the student to whom a library is a fearsome place. Viewers will learn something of the over-all organization of a typical high school library; the card catalog, the Dewey Decimal System, the arrangements of books on the shelves, and the use of supplementary materials such as the encyclopedia, the Reader's Guide, and the vertical file.

**KOREA, LONG ROAD TO PEACE (MOT)**

h-c-a 28 minutes B&amp;W: \$5.15

Major political events of the war in Korea plus peace discussions, including Eisenhower's visit. An excellent historical report.

**KOREA STORY, THE (UW)**

h-c-a 20 minutes B&amp;W: \$3.15

Describes the factors preceding the Korean War, the attempts to unify North and South Korea, the invasion south of the 38th Parallel in June, 1950, the U. N. Security Council decision to halt the aggression, and the war from the invasion to truce talks.

**KOREAN BACKGROUNDS (IFB)**

h-c-a 18 minutes B&amp;W: \$3.65

Photographed by American cameramen in the period following World War II and just before the conflict. The film is documentary and traces the history and social economy of the people from the 19th century domination by China to the present. It is not a war film. It does, however, point out how the liberation from Japan led to a division at the 38th Parallel.

**KOREAN PEOPLE, THE (IFB)**

i-j-h 11 minutes Color: \$3.80

Korea's location and principal cities are identified; scenes illustrate the nation's dependence on fishing and farming. The city of Seoul reflects the combination of traditional and modern influences.



# **KOREAN STALEMATE—THE COLD DECADE (AIR POWER SERIES) (CBS)**

**h-c-a** 28 minutes **B&W: \$5.65**

A vivid account of the Chinese Communist entrance into the Korean war, the first meeting in battle of American F-86 Sabre-jet fighters and Soviet-built MIG 15's, and the ultimate stalemate between the ground armies leading to the politically-charged armistice talk.

# **KOROCHAN, THE LITTLE BEAR (EB)**

**p** 11 minutes **B&W: \$2.35**

A folk tale to compare with the story of the three bears, this charming Japanese film describes the escapades of a fun-loving, disobedient baby bear named Korochan. His constant desire to play causes him to be hounded by a host of angry bees, rejected by two playmates because of his roughness, and trapped on the forbidden rope.

# **KRAKATOA (MBI)**

**j-h-c** 25 minutes **B&W: \$5.65**

Scenes of the eruption of the submarine volcano located in the Indian Ocean between Sumatra and Java, which took place in 1883. Diagrams show the peculiar geologic factors that made this eruption possible.

# **KREMLIN'S PROBLEM PEOPLE: THE UKRANIANS (McGH)**

**h-c-a** 26 minutes **B&W: \$5.15**

Two Ukrainian refugees in the United States describe the oppression in their homeland and predict their people will rise up against their oppressors. Includes a film record of recent events and conditions in this section of Russia, indicating a shortage of goods for civilian consumption, high taxes, and poor facilities.

# **LA CASA Y LA TIERRA DE LOYOLA (IFB)**

**j-h-c** 18 minutes **Color: \$6.15**

Shows the ancestral house and land of the Loyola family, the church at Azpeitia where Ignatius Loyola was baptized, hermitage of Olatz, cave of Manresa, and other places known to St. Ignatius. Musical background recorded in Loyola churches. Spanish dialogue.

# **LA CAMPAGNE (FRENCH TEACHING SERIES #3) (IFB)**

**h-c-a** 22 minutes **B&W: \$3.65**

Divides this section of France into two parts, the moist and the dry. In the first part we see ponds, pools, forests, pleasant valleys and scattered farms with extensive cultivation. Opposite conditions prevail in the dry country where the chalky limestone soil fills the air with dust. Includes scenes of vineyards, the champagne industry, the textile industry in Troyes and Rheims. French dialogue.

# **LA FAMILIA SANCHEZ (EB)**

**j-h-c-a** 9 minutes **B&W: \$2.15**

Provides a delightful visit with a rural family of southern Spain with particular emphasis on the activities of the children of the family. Shows real Spanish people going about their daily tasks and describes what they are doing in the language they speak. The vocabulary and sentence structure is told in simple and slow-paced Spanish which meets the needs of beginners.

# **LA FAMILLE DE MONSIEUR RENE, PERPIGNAN (F)**

**j-h-c** 15 minutes **Color: \$4.60**

A French-language film about a modern French family of Perpignan. Monsieur Rene is a school superintendent in a typical French city, and this film visit with his family provides an interesting study of their way of life. The film can be used effectively after one term of French, as well as in more advanced levels, for language practice and as a basis for conversation.

# **LA FAMILLE FRANCAISE BRUNEL (McGH)**

**h-c** 17 minutes **B&W: \$3.65**

This French-language film offers an opportunity for language classes to practice aural comprehension, pronunciation and oral recitation. The story of French family life also provides valuable background for a better understanding of French culture. Suggested for first and second year French classes.

# **LA FAMILLE MARTIN (FRENCH FILM READER SERIES) (IFB)**

**j-h-c-a** 18 minutes **B&W: \$3.70**

An account of some of the normal household activities of a French family living outside of Paris. The father, mother, and

two brothers proceed through a usual morning routine which is interrupted by the arrival of a letter from the daughter who has been spending her holiday in England. Father Martin rushes through Paris and out to the airport to meet Madeline. French dialogue.

# **LA GARONNE (FRENCH TEACHING SERIES #1) (IFB)**

**h-c-a** 17 minutes **B&W: \$3.15**

Sketches the outlines of France and follows the river from its source in the Pyrenees through Toulouse, Agen, Castet, the barren country to Bordeaux, and finally to the Dordogne which it joins to form La Gironde. French dialogue.

# **LA GENTE DEL PERÚ (IFB)**

**j-h-c** 11 minutes **Color: \$3.80**

Shows the people of the coastal desert, the people of the highland plains and the people of the Amazonian jungle. This intermediate language teaching film is intended to complement VAMOS AL PERU.

# **LA LOIRE (FRENCH TEACHING SERIES #1) (IFB)**

**h-c-a** 17 minutes **B&W: \$3.15**

A survey of the river from its torrential start in the Massif Central, over rocky beds past the power plants, through well-populated valleys to its estuary and the ports of Nantes and Saint-Nazaire. French dialogue.

# **LA PAZ (BOLIVIA) (OIAA)**

**j-h-c-a** 17 minutes **B&W: \$2.15**

La Paz, center of a native culture that has been adjusted to living 12,000 feet above sea level since the time of the Incas. The ancient silver capital of the colonial world, Potosi, and other cities of the Bolivian highland. Industrial developments, Indian life and some modern trends in agriculture.

# **LA SALLE (EB)**

**i-j-h** 17 minutes **B&W: \$4.15**

Significant events in the triumphant, yet tragic, career of Robert Cavalier, Sieur de la Salle. Reveals him first as a young Jesuit novice who leaves the order for work in the New World. Traces his association with Frontenac, his relations with the Indians, his passage down the Mississippi, and his claiming of the Valley for France. Points out his many setbacks and his ill-timed death.

# **LA SEINE (FRENCH TEACHING SERIES #1) (IFB)**

**h-c-a** 17 minutes **B&W: \$3.15**

Depicts the river from its source near Chatillon, past Paris and Rouen to Le Havre, and through historic areas associated with literature and art. French dialogue.

# **LA VIDA EN UN PUEBLO (MEXICAN VILLAGE LIFE) (PHP)**

**i-j-h-c** 18 minutes **Color: \$5.65**

Spanish language film with paced narration. Effective for ear training because the pictures help the student comprehend the new sounds, the pictorial representation making the spoken part self evident.

# **LABOR AND CHILDBIRTH (MA)**

**e-a** 17 minutes **B&W: \$4.15**

Diagrams show the main muscles involved in labor. Explains the three stages of labor, emphasizing when to go to the hospital, what to expect there, and the need for confidence and relaxation. The birth of the baby is shown by diagrams. Pictures the labor room, delivery room, and nursery of the hospital.

# **LABOR MOVEMENT, THE: BEGINNINGS AND GROWTH IN AMERICA (C)**

**j-h** 14 minutes **B&W: \$2.90**

The development of the organized labor movement beginning from post-Civil War to World War I is traced through dramatic events and personalities which characterized it during this period. The methods by which labor sought to achieve its goals are portrayed within the framework of the changing relationship between management and labor and a changing national economy.

# **LABOR'S WITNESS (UAW)**

**h-c-a** 33 minutes **B&W: \$4.15**

Shows Walter Reuther appearing before the Senate Subcommittee on Privileges and Elections to argue for a law limiting contributions by any one person in political campaigns.



## LADY OF THE LAKE: BACKGROUND FOR LITERATURE (C)

**j-h** 10 minutes **B&W: \$2.15, Color: \$3.40**  
Sir Walter Scott's poem comes to life. In providing a brief background of the author's life, in giving a visual meaning to the poem's vocabulary by showing the actual background in Scotland that is its setting, this picture teaches the concept that literature has its roots in actual places, people, and events.

## LADY OF THE LAND (AS)

**h-c-a** 32 minutes **Color: \$2.15**  
Depicts how a home economist determines whether or not a new product will be the best on the market. She tests samples of this product on the "Lady of the Land," a composite of 750 women from all walks of life, and learns that this lady, like all, is unpredictable.

## LADY OR THE TIGER (TFC)

**j-h-c** 11 minutes **B&W: \$1.65**  
Dramatization of Frank R. Stockton's famous story in which a princess is required to choose between sending her lover to death or another woman. The author and the picture leave the reader in doubt. *Restricted to Classroom Use.*

## LADYBIRD STORY (DPP)

**j-h** 11 minutes **Color: \$3.40**  
Describes how the Vedalia ladybird beetle was discovered in Australia and brought to the U. S. to fight cottony cushion scale. Shows life cycle of both beetle and scale.

## LAFAYETTE, CHAMPION OF LIBERTY (ACFC)

**i-j-h-c** 9 minutes **B&W: \$1.65**  
Gilbert de Motier, the Marquis de Lafayette, helps the colonies fight for freedom. Washington offers him a commission as a brigadier general. Lafayette serves admirably in the American cause, especially at Valley Forge where he encourages the men to hold out the winter. After his return to France, he lives fifty more years. He asks to be buried in France in soil brought from the bloodstained sides of Bunker Hill.

## LAFAYETTE—SOLDIER OF LIBERTY (EB)

**i-j-h** 17 minutes **B&W: \$4.15**  
Highlights of the life and career of this distinguished French friend of American freedom, emphasizing particularly his service to the U. S. and his friendship with Washington, and the part he played as a leader of the French Revolution.

## LAKEWOOD LEARNS TO LIVE (AAA)

**h-c-a** 14 minutes **Color: \$3.15**  
An experienced driver who dreams that he almost runs over himself realizes that he and his fellow citizens are careless in traffic and helps to organize a campaign for pedestrian safety in the typical American city where he lives.

## LAND BEHIND THE DIKES (NETHERLANDS) (UW)

**i-j-h** 21 minutes **B&W: \$4.15**  
In lowlands by the sea, it is possible to enlarge farming area by draining off the water and reclaiming the land. Dutch people have been working for hundreds of years making new land by draining swamps, shallow lakes, and even the sea itself. The reclaimed land, known as Polderland, is very productive. Farm products often move to market by boats on the canals. The land has been drained by dikes, canals, and windmills. Today, modern pumping stations are replacing the more picturesque windmills. The work of draining the land is still going on.

## LAND OF FAIR DINKUM (OUR CHANGING WORLD) (SF)

**i-j-h-c-a** 11 minutes **B&W: \$2.15**  
Depicts the people, cities, and land of Australia. Surveys briefly the work and recreation in urban and rural areas.

## LAND OF GHENGIS KHAN (TFC)

**i-j-h** 10 minutes **B&W: \$1.90**  
Reviews life in Mongolia, showing the sun-baked cities of Manchukuo, the shore residences of Mongolian nomads, the felt tents in the Gobi Desert, a Buddhist temple, villagers, a religious festival, a devil dance, herdsman, and a camel caravan. *Restricted to Classroom Use.*

## LAND OF LIBERTY (4 PARTS) (TFC)

**general** 20 minutes each **B&W: \$2.65 each**  
A pictorial history of the United States originally prepared for exhibition at the New York World's Fair and the San Francisco World's Fair. Composed of sequences taken from many his-

torical motion pictures and edited into a complete story of the colonization of America, the establishment of the Republic, and its subsequent history. Divided into four parts, covering periods of history as follows: Part I—Early colonial history and the development of the Republic to 1805; Part II—1805 to 1860; Part III—1860 to 1890; Part IV—1890 to 1938. *Restricted to Classroom Use.*

## LAND OF LIBERTY, PART V (TFC)

**j-h-c-a** 20 minutes **B&W: \$3.15**  
A new addition to the Land of Liberty Series. History of the U. S. from 1939 to 1958. Explains forces leading to World War II and the involvement of the United States. Includes the advent of the atomic age, advances in science, medicine, transportation, and electronics. *Restricted to Classroom Use.*

## LAND OF MEXICO (EB)

**i-j-h** 10 minutes **B&W: \$2.15**  
Reviews geographic and economic aspects of modern Mexico. Portrays, with animated maps, the physical characteristics of the country and its strategic geographical relation to the United States. Describes Mexico's natural resources and industries, and depicts activities of its people in rural and urban areas.

## LAND OF OUR FOREFATHERS (KB)

**i-j-h** 31 minutes **B&W: \$7.15**  
A study of the successive migrations of Indo-European people over Europe, following the collapse of the Greek and Roman Empires, and the contributions of each to our civilization; Celtic ideas of individual liberty, Germanic discipline and teamwork, development of liberal government in England.

## LAND OF THE AZTECS (ICS)

**i-j-h** 10 minutes **B&W: \$1.65**  
This film pictures the glory of the ancient civilization and the Mexico of today.

## LAND OF THE INCAS (IFI)

**i-j-h-c** 10 minutes **B&W: \$2.15**  
The Incas of Peru maintained civilization of great magnitude before the Spanish conquest. Ancient and recent Peru are contrasted to indicate the changing culture.

## LAND OF THE LONG DAY (NFBC)

**i-j-h-c-a** 39 minutes **Color: \$11.15**  
Presents the life of the Eskimos in Baffin Island as an unceasing struggle for survival in a harsh land, and depicts the activities of all members of the family, including hunting for food and clothing.

## LAND OF THE MAPLE LEAF (TFC)

**j-h** 10 minutes **B&W: \$1.65**  
A travelog of Canada, including a closeup of a moose eating. The commentator discusses the strength of the moose and its desire for solitude. "The Maple Leaf Forever" is sung at the conclusion. *Restricted to Classroom Use.*

## LAND OF THE PYRAMIDS (UW)

**j-h-c-a** 7 minutes **B&W: \$1.65**  
Cosmopolitan Cairo, the colorful desert caravans, treasure hunters at work, and the discovery of a royal mummy.

## LAND OF TIME (AFME)

**c-a** 26 minutes **Color: \$2.15**  
Reflects the social and economic progress of Egypt since the 1952 revolution. Although the political picture of Egypt and the Middle East has changed considerably, its emphasis on the cultural and social life of Egypt gives it a timeliness that is both informative and relevant. Narrated by Lowell Thomas.

## LANDING (CAA)

**h-c** 8 minutes **B&W: \$2.15**  
Explains and illustrates: the steps in landing (the approach, glide, leveling off, skimming over the ground, landing); advantage of landing upwind; use of the controls in gliding, overshooting and undershooting; difficulties in leveling off; what to do; after touching the ground; use of sideslipping to lose altitude.

## LANDS AND WATERS OF OUR EARTH (C)

**p** 10 minutes **Color: \$3.40**  
During a family picnic Jimmy becomes aware of the many kinds of land and water forms on the surface of our earth. He is able to observe hills, mountains, valleys, rivers, and other geographic features. A picture books shows him the relationships among them.



**LANGUAGE OF ALGEBRA (IFB)**

j-h 16 minutes Color: \$5.30

Watching the animated evolution of a plot of land, from woodlot to subdivision, gives us the opportunity to solve several mathematical problems that confront the owner of the land: the area of his property and of the individual lots he intends to sell, the length of the road to be paved, the amount of fencing needed to enclose a playground, and the number of bottles of milk needed for this community. In each problem a formula is set up and algebraic symbols are substituted for actual objects to streamline the equation.

**LANGUAGE OF DRAWING (McGH)**

h-c 9 minutes B&amp;W: \$2.15

Attempts to provide a sensible and acceptable answer to the question, "Why study mechanical drawing?" as well as to stimulate the beginning student's interest in the subject.

**LANGUAGE OF GRAPHS, THE (C)**

i-j-h 14 minutes B&amp;W: \$3.65

Types of graphs, their uses, and values are presented here to help students understand and appreciate graphs in presenting statistical data. Bar, line, circle, and equation graphs are woven into a story to show how these and other graphic representations can be used.

**LANGUAGE OF MATHEMATICS, THE (C)**

j-h 11 minutes B&amp;W: \$2.15

A practical application of mathematical terms; shows how mathematics is fundamental to our society and to every phase of modern living. In this film students see "in action" the precise and meaningful symbols of mathematics. They learn how this unique language helps them to state—and solve—problems more rapidly and accurately. A review of the use of graphs, measurements, and numerical operations.

**LANGUAGE TEACHING (THE SEARCH) (CBS)**

c-a 27 minutes B&amp;W: \$5.65

Explains how foreign students learn to speak English in eight weeks at the Institute and take part in the American way of life at the University of Michigan and in the community while learning. Points out the implications which this program holds for possible changes in teaching English in other schools.

**LAPLANDERS (EB)**

i-j-h 8 minutes B&amp;W: \$2.15

The reindeer Laplanders follow the reindeer herds for their food, clothing and other necessities of life. Some get jobs in the cities, but the people who love the nomadic life still continue to follow the herds. Shows handling the reindeer, milking them, picking out the ones to be butchered, and taking care of the meat, hides, and horns.

**LARYNX AND VOICE (FUNCTION OF THE NORMAL LARYNX) (NW)**

h-c-a 20 minutes Color: \$4.95

Shows by ultra-high speed photography, just how the larynx and vocal cords function. The differences of the larynx in the male and female are pointed out. We also see the different movements of the vocal cords caused by high, medium, and low pitch tones. Part of the film is black and white.

**LASCAUX, CRADLE OF MAN'S ART (IFB)**

j-h-c-a 18 minutes Color: \$6.15

Shows painting by prehistoric man in the Lascaux Cave in Southern France, and tells briefly something of prehistoric man.

**LASSEN VOLCANIC NATIONAL PARK (AB)**

j-h-c-a 6 minutes Color: \$1.90

Presents the most significant features of the region. Explains the geological background of the area and the forces of nature active there today.

**LAST DATE (MTP)**

j-h-c-a 18 minutes B&amp;W: \$2.90

A film on "teenicide" which tells the story of four teen-agers whose lives were tragically affected by the reckless driving of one of them.

**LAST DAY OF AN ENGLISH QUEEN, THE (YOU ARE THERE) (CBS)**

j-h-c-a 27 minutes B&amp;W: \$5.65

One major incident in the long list of bitter political uprisings which spread throughout England in the sixteenth century. Shows the quick end to the short 10-day reign of a 16-year-old, Jane Grey, as England's Queen.

**LAST LESSON, THE (TFC)**

j-h-c 9 minutes B&amp;W: \$1.65

Story of a little French village in 1870 just after the occupation of France by Germany. A French schoolmaster is teaching his last lesson before the German school teacher comes in to take his place. *Restricted to Classroom Use.*

**LAST OF THE WILD WEST (McGH)**

j-h-c-a 18 minutes B&amp;W: \$3.85

A tour of Big Bend National Park in Texas, a petrified forest, deserted forts, ghost towns, momentos of the old West. Shows how the United States and Mexico have cooperated in patrolling the border.

**LATHE, THE (UW)**

h-c-a 17 minutes B&amp;W: \$2.90

Depicts functions, characteristics and basic operations of the engine lathe.

**LATIN AMERICA: AN INTRODUCTION (C)**

i-j 11 minutes Color: \$3.60

A colorful fiesta sequence opens this cultural introduction to the nations of the Americas that comprise Latin America: Mexico, the West Indies, seven countries of Central America, and the ten countries of South America. The common bonds of history, religions, traditions, customs, and languages that the people share are presented as key ideas in understanding the meaning of Latin America.

**LATITUDE AND LONGITUDE (UW)**

j-h-c 9 minutes B&amp;W: \$2.15

This discussion interprets latitude and longitude as angular distances from given points, rather than as imaginary lines. The use of latitude and longitude to determine a position is indicated. A film technique has been used to show a section of the globe, thus demonstrating the relation between angles subtended at the center of the globe or at the axis and linear distance on the surface of the globe. Also it shows the connection between lines of latitude and longitude and angles subtended in the interior of the world.

**LAUNCHING THE NEW GOVERNMENT (1789-1800) (C)**

j-h-c 14 minutes B&amp;W: \$2.75

The problems that confronted the infant government from 1789-1800 under the leadership of such men as Washington, Hamilton, Jefferson, and Adams are authentically presented. John Fenno, publisher of the *Gazette*, reports major events of the period, such as the creation of the United States Bank, the Judiciary Act and the Tariff Act, both of 1789, and others.

**LAUNDERING AND DRY CLEANING (VGF)**

j-h-c 10 minutes B&amp;W: \$2.15

A trip through a laundry and dry cleaning plant shows types of work for both men and women. Depicts foremen and department heads at their tasks; students learning machine operation and studying textiles, laundry chemistry, salesmanship, and accounting; as well as management.

**LAW AND SOCIAL CONTROLS (C)**

j-h 10 minutes B&amp;W: \$2.15

Three broad areas of social control are established: customs, moral codes, and laws. Levels of law are explained: local, state, national, etc. The purpose of the film is to help to develop an understanding of the law and a sense of responsibility.

**LAW OF DEMAND AND SUPPLY (C)**

h 11 minutes B&amp;W: \$2.15

Through the story of Tim, who is in the bicycle rental business, this film shows how the law of supply and demand affects business. By using graphs and familiar terms for illustration, the film stimulates discussion of the many economic factors to which this law may be applied.

**LAWS OF CONSERVATION OF ENERGY AND MATTER (C)**

j-h 8 minutes Color: \$2.65

A background for understanding these laws and their importance as basic principles of science is clearly developed. Simple laboratory experiments and special photographic effects illustrate the important principle that matter and energy may not be created or destroyed, but, as explained by Einstein's equation, they can be converted into one another.



**LAWS OF GASES, THE (C)**

j-h 11 minutes B&W: \$2.25  
The Gas Laws of Boyle, Charles, Dalton, and Avogadro are explained and their importance to physical science is emphasized. Animation clearly illustrates relationships between pressure, volume and temperature of confined gas, the law of partial pressures, and the determining of the molecular weight of a gas.

**LAWS OF MOTION (EB)**

j-h 13 minutes Color: \$3.40  
Explains the three laws of motion and points up important events leading to the discovery of these laws. Simple experiments with moving balls illustrate the theory of the laws, while other examples provide dramatic evidence of the application of these laws to everyday experience.

**LAYING OUT AND FORMING PLYWOOD (UW)**

h-a 21 minutes B&W: \$3.15  
Shows how to lay out plywood using blueprints and templates; how to form plywood in a press; how to reinforce plywood; how to apply and remove pressure strips; how to cut openings in plywood; and how to apply glue and varnish.

**LAYING OUT SMALL CASTINGS (UW)**

h-a 16 minutes B&W: \$2.65  
Shows methods and procedures used when laying out a small casting for drilling. The location of a reference point is emphasized. Illustrates how to use hermaphrodite calipers, combination square and surface gauge.

**LAYING THE ATLANTIC CABLE (KB)**

i-j-h 11 minutes B&W: \$2.15  
Cable laying on a ship bound from Newfoundland to the Azores. Explanations on depth sounding and the construction and laying of a telegraphic cable.

**LAZY RHYTHMS (OF)**

general 10 minutes B&W: \$1.50  
The voices of the Mills Brothers are heard in *Lazy River*, *Rockin'*, and *Till Then*.

**LE MASSIF CENTRAL (FRENCH TEACHING SERIES #2) (IFB)**

h-c-a 15 minutes B&W: \$2.85  
Presents the mountainous region in the heart of France including its waterfalls, rapids, high plateaus, peaks, lava formations, crater lakes, and caves. French dialogue.

**LE MERLE (IFB)**

j-h-c-a 5 minutes Color: \$2.60  
Norman McLaren imparts unusual activity to an old French-Canadian nonsense song. Simple white cut-outs on pastel backgrounds provide lively illustrations as the song relates how a blackbird loses parts of his body one by one and then regains them two- and three-fold. Suitable for beginning, intermediate, and advanced French classes.

**LE MONT SAINT-MICHEL (WU)**

h-c-a 10 minutes Color: \$2.90  
Presents views of Le Mont Saint-Michel, the daily activities of its people, and the experiences enjoyed by tourists to this community. English soundtrack.

**LE RHONE (FRENCH TEACHING SERIES #1) (IFB)**

h-c-a 17 minutes B&W: \$3.15  
Shows the course of the river and depicts the adjacent provinces and cities. French dialogue.

**LEAD FROM MINE TO METAL (USBM)**

j-h-c-a 30 minutes Color: \$2.15  
It depicts uses of lead in everyday life and the way in which men "fish" for lead deposits. We see modern mining methods and the refining and working of the ore. The refined lead is distributed for use in thousands of products.

**LEADERS FOR LEISURE (AI)**

c-a 20 minutes Color: \$5.95  
Stresses the importance and need for professionally trained leaders to insure the success of a community recreation program. It dispels the misconceived idea that a community can make a recreation program work by merely providing facilities. Shows dramatically why leadership is the key to success, how to choose recreation leaders, and how to utilize them to build an effective program.

**LEARN AND LIVE (CAA)**

h-c 45 minutes B&W: \$2.15  
A safety film for pilots. Dramatizes, in fantasy form, some of the more common errors in flying safety, and emphasizes the necessity for the pilot giving constant attention to the job of flying his airplane.

**LEARN TO ARGUE EFFECTIVELY (C)**

j-h 10 minutes B&W: \$2.15  
Argumentation is still essential to democratic living and everyone should learn to argue purposefully and soundly. This film clarifies the role of persuasive argument. It shows when arguments are purposeful, what subjects are good and bad and what is a basis for a profitable argument. It contrasts effectively the significant, serious use of argumentation against "Punch and Judy argument"—the use of irrelevant, unsound argument that is carried on without purpose.

**LEARNING A NEW WAY (MOFF)**

h-c-a 10 minutes Color: \$2.65  
A high school senior films his social studies class project at College High School, Montclair, New Jersey. The theme they have carried out in their project is "Knowing One's Community Better."

**LEARNING ABOUT BEARS (EB)**

p 11 minutes Color: \$3.80  
This film story of the life of bears in the wilds shows many of the habits and characteristics of the black bear and illustrates the training the cub receives from his mother until he is ready to be on his own in the spring of the second year.

**LEARNING ABOUT ELECTRIC CURRENT (EB)**

i-j 10 minutes B&W: \$1.90  
By animation and demonstrations the basic fundamentals of electric current are explained. Characteristics, uses, and dangers are illustrated. Flow of electricity from home to power plant.

**LEARNING ABOUT FLOWERS (EB)**

p 11 minutes Color: \$3.40  
Time-lapse photography is used to show the opening of some of the more common flowers of our fields and gardens. Designed to help the student appreciate the beauty in flowers and to realize that the purpose of the flowers is to produce seeds.

**LEARNING ABOUT HEAT (EB)**

i-j 8 minutes B&W: \$2.15  
Deals with such concepts as how heat changes the state of matter, what are expansion and contraction, what are good and poor conductors, and how heat travels.

**LEARNING ABOUT LEAVES (EB)**

i 11 minutes Color: \$3.80  
Explains with time-lapse photography, animation and skillful close-ups, how leaves are important to plants, animals, and man. Compares different kinds of leaves, and shows how leaves are related to other parts of a plant, the stem, and roots. The functions of green leaves—making and storing foods—and the changes that take place during the different seasons are clearly illustrated.

**LEARNING ABOUT LIGHT (EB)**

i-j 10 minutes B&W: \$2.15  
Deals with the fundamental concepts in the study of light such as which objects are luminous; when are objects transparent, translucent, or opaque; what is reflection; and what is refraction.

**LEARNING ABOUT OUR BODIES (C)**

i-j 11 minutes B&W: \$2.15  
Basic structure of the human body and the position and function of the major organs. Explains that the body must be kept in good condition if it is to work properly.

**LEARNING ABOUT SEEDS (EB)**

p-i 11 minutes Color: \$3.80  
Explains that there are many different kinds of seed-bearing plants and that seeds have many sizes, shapes, and colors. Through time-lapse photography we see how seeds grow and what they need for growth. Several methods of seed dispersal are also clearly illustrated.

**LEARNING ABOUT SOUND (EB)**

i-j 8 minutes B&W: \$2.15  
Introduces basic concepts about sound. Experiments reveal how sound is made, how it travels, and how it is perceived.



**LEARNING ABOUT THE PAST (IU)**

j-h-e 10 minutes Color: \$3.40

Archaeologists use definite techniques to discover, excavate, study, and interpret a buried prehistoric American Indian culture whose unwritten record lies in physical remains and features. Filmed at the Angel Mound Site on the banks of the Ohio River near Evansville, Indiana.

**LEARNING ABOUT YOUR NOSE (EB)**

i-j 9 minutes Color: \$2.90

Explains how the nose serves as a hallway between the changeable outside world and the sensitive breathing organs. Demonstrates the nose as a sterilizer, cleanser, air conditioner and humidifier, and suggests proper nasal health practices.

**LEARNING AND GROWTH (EB)**

e-a 11 minutes B&amp;W: \$2.15

Explains major principles of the learning process, showing the possibilities and limitations in the training of infants from twenty-four to forty-eight weeks of age. Analyzes several learning problems with reference to the effect of maturing. Describes relationship of age, growth and learning.

**LEARNING DISCRIMINATIONS AND SKILLS (BASIC PSYCHOLOGY SERIES) (McGH)**

e-a 12 minutes B&amp;W: \$2.35

Demonstrates that the learning of a skill by any organism involves two basic processes discrimination between stimuli and application of this discrimination in the making of differentiated responses. Laboratory experiments with pigeons are shown.

**LEARNING FROM CLASS DISCUSSION (C)**

j-h 11 minutes B&amp;W: \$2.15

Discussion is a vital part of our everyday life and this film offers pointers on the value of worth-while discussion. Students see that this organized conversation helps clarify ideas and provides for an interchange of information. "Ingredients" of a good discussion are outlined.

**LEARNING FROM DISAPPOINTMENTS (C)**

i 11 minutes B&amp;W: \$2.35

With Ed, Francine and Gary, your pupils will discover that disappointments can be worthwhile and useful experiences. When the three children are not chosen for the roles they wanted in the school history pageant, they overcome their disappointment in various ways—through good sportsmanship, by choosing another goal, and by trying again in a different way.

**LEARNING FROM PETS IN THE CLASSROOM (J)**

p-i 15 minutes Color: \$5.00

The film visits several schools where the children are feeding and taking care of animals, watching them, enjoying them, and learning from them. One class has amphibians, another has insects, while a third has the exciting experience of watching baby chicks as they hatch. Ends with a review of what has been learned about life processes of animals.

**LEARNING IS SEARCHING (NYU)**

e-a 30 minutes B&amp;W: \$5.90

A third grade class studies tools and their origins. Relation of these studies to the group's other school activities are shown. Presents the enthusiasm as well as the limitations of the children.

**LEARNING TO DRAW (BC)**

j-h-e-a 11 minutes B&amp;W: \$1.65

Using the drawing text by Bruce McIntyre, fundamentals of perspective are explained. The simplified teaching methods are practiced in the audio-visual drawing program under the author's direction. The Vu-Graph overhead projector is used to project animated drawings.

**LEARNING TO SET TYPE (BFS)**

j-h 11 minutes B&amp;W: \$2.35

This film demonstrates the basic principles of typesetting and distribution for beginning students. The correct ways of manipulating the type, importance of the left thumb, "spotting" of letters before they are selected, care needed during distribution, and importance of following copy and correcting errors are topics discussed by the film.

**LEARNING TO STUDY (EB)**

j-h 14 minutes B&amp;W: \$3.40

An exploration into the value, use, and methods of good study. Questions involving the reasons for good study habits are answered.

**LEARNING TO SWIM (McGH)**

i-j 11 minutes B&amp;W: \$2.15

Demonstrates and explains fundamental steps required of the beginner in learning the Australian crawl. Shows the importance of developing confidence while in the water, learning to use the body's bouyaney, proper leg and arm actions, and correct breathing.

**LEARNING TO UNDERSTAND CHILDREN: PART I, DIAGNOSTIC APPROACH (McGH)**

e-a 21 minutes B&amp;W: \$4.15

Case study of an emotionally and socially maladjusted ninth grader. Her teacher diagnoses her difficulties by observing her behavior, studying her past record, making personal interviews and home visitation, and formulating a hypothesis for remedial measures.

**LEARNING TO UNDERSTAND CHILDREN: PART II, REMEDIAL PROGRAM (McGH)**

e-a 23 minutes B&amp;W: \$4.15

A continuation of the case study of a maladjusted ninth grader as depicted in the first film. Shows the improvement brought about the remedial action. The techniques illustrated may be used in dealing with many types of maladjustments.

**LEATHER TOOLING, ART OF (SEL)**

general 10 minutes Color: \$3.20

Pepe Olvera, a fourteen-year-old Mexican boy, demonstrates simple techniques of designing and making a tooled leather belt, which he learned by observing the workmen in his father's shop.

**LEATHER WORK (BRF)**

j-h-e-a 10 minutes B&amp;W: \$2.15

Demonstrates the making of a coin and key purse. Cutting the pattern, transferring it to the leather, modeling, attaching metal pieces, etc., are shown. A number of leather articles are displayed and a few of the most popular types of leather—snake, goat, pig, steer, calf and cow—are shown.

**LEAVES (EB)**

i-j-h-e 11 minutes B&amp;W: \$2.15

The film explains the structure, functions, and types of leaves. Shows in detail the parts of a leaf and illustrates by a cross-section the arrangement of cells and veins. The process of food making is seen in animation.

**LEGAL CONTROL AND DISCIPLINE OF PUBLIC SCHOOL PUPILS, THE (TJB)**

e-a 30 minutes Color: \$9.70

Authored by a nationally known lecturer, and teacher in the field of School Law, Robert R. Hamilton, this film is the second in a series of films on vital legal problems. Some topics discussed are:

- Control of Pupils outside of School hours
- Control of the neighborhood "bully"
- Liability of Parents—School Damage
- Use of automobiles by high school pupils

These, and other problems are becoming more important every day, and teachers should be made aware of their responsibilities.

**LEGAL LIABILITY OF TEACHERS FOR SCHOOL ACCIDENTS (TJB)**

e-a 33 minutes Color: \$9.70

Explains the legal responsibilities of teachers for children on field trips, in disciplinary actions, performing errands, and any other activities which take the student outside the physical school buildings.

**LEGEND OF MARY (TTV)**

general 14 minutes B&amp;W: \$3.15

Puppets act out the Christmas Story. Narration is completed by special effects.

**LEGEND OF SLEEPY HOLLOW (BY)**

i-j-h-e 30 minutes B&amp;W: \$4.65

Will Rogers stars in a condensation of the silent film "The Headless Horseman." Narration and music has been added to bring this film up-to-date.

**LEGEND OF THE PIED PIPER (C)**

p-i 10 minutes B&amp;W: \$2.15

This is the fairy story of the master musician who drove the rats from the city of Hamelin. Puppets enact the story.



**LEGISLATION (FILM #4) (USWA)**

c-a 16 minutes B&W: \$2.15  
This film is a United Steelworkers of America 15-minute television program on various aspects of the union's politics and attitudes toward public affairs.

**LEGISLATIVE PROCESS, THE (IU)**

j-h-c-a 29 minutes B&W: \$5.65  
Presents detailed information about various steps through which a bill must be passed to become a law. Uses the General Assembly of Indiana as an example of a state legislature in action.

**LENSES (UW)**

h-c 10 minutes B&W: \$2.35  
Diverging and converging lenses in refracting light are shown. Prisms are explained.

**LEONARDO DA VINCI AND HIS ART (C)**

j-h-c-a 14 minutes Color: \$4.15  
Introduces the basic ideas of art appreciation through a visually rich experience built around this renowned artist and his works. The keynote of the film is its depiction of da Vinci as one of the great artists of the Renaissance. Many of the elements of the Renaissance are elements of da Vinci's life and many of the achievements of the period are reflected in his works.

**LEONARDO DA VINCI—GIANT OF THE RENAISSANCE (EB)**

j-h-c-a 25 minutes Color: \$8.35  
Da Vinci was a man of great accomplishments. This film reveals some of his major contributions in science and art and provides an excellent historical setting for an evaluation of his varied accomplishments.

**LEOPOLDVILLE (FON)**

h-c-a 17 minutes B&W: \$3.15  
Leopoldville is the capital of the Belgian Congo, a city of surprising modernity and high standards of living. Industries, customs, and daily life are pictured.

**LES CANAUX (FRENCH TEACHING SERIES #2) (IFB)**

h-c-a 14 minutes B&W: \$2.85  
Indicates the importance of canals and rivers in France. Pictures the Seine and Oise as navigable rivers, while the Loire is so shallow that a canal has been built to accommodate shipping. French dialogue.

**LES MISERABLES (TFC)**

j-h-c-a 44 minutes B&W: \$6.50  
Frederic March plays the lead in this excerpt from the feature-length dramatization of Victor Hugo's novel. The story revolves around Jean Valjean, who was put in prison for stealing bread. *Restricted to Classroom Use.*

**LES TROIS OURS (FA)**

j-h-c-a 14 minutes B&W: \$3.15  
The story of The Three Bears is presented with a simple French language sound track. Because every child is familiar with the story, his attention can be directed to the new language he hears. Every noun, adjective, and verb is visualized by the appropriate object or action on the screen.

**LESSON IN COURAGE (ON WASHINGTON'S BIRTHDAY) (EB)**

p 8 minutes Color: \$2.00  
Children pantomime incidents associated with George Washington. Then they have a party for Washington's birthday.

**LESSONS FROM THE AIR (BIS)**

h-c-a 15 minutes B&W: \$3.15  
The children of Britain have good modern schools and enthusiastic teachers plus the British Broadcasting Corporation's daily educational broadcasts. The film describes the detailed planning behind these broadcasts.

**LET YOUR CATTLE SPRAY THEMSELVES (INHS)**

h-c-a 11 minutes Color: \$3.25  
Describes the building of new and automatic sprayers for controlling biting flies on cattle.

**LET'S BE AT HOME IN THE WATER (POR)**

p-i 10 minutes Color: \$3.40  
Jerry learns to relax and enjoy playing in the water. He learns the rules for playing safe so he can have fun without getting hurt.

**LET'S BE CHILDISH (AFF)**

j-h-c-a 20 minutes B&W: \$2.15  
Against backgrounds of the ice-capped French Alps, children of all countries teach a lesson in international cooperation. Working together to build a snow city, they win a prize.

**LET'S BE CLEAN AND NEAT (C)**

p-i 11 minutes B&W: \$2.25  
Throughout the day, Bobby, Jane, and their parents demonstrate how cleanliness and neatness contribute to family life, social acceptance, good health, and a feeling of well-being. Examples help develop responsibility and motivate cleanliness and good grooming.

**LET'S BE GOOD CITIZENS AT PLAY (GA)**

p 10 minutes B&W: \$2.15  
In a typical community street there are many ways to display good sportsmanship. Children are shown ways in which they can develop this trait.

**LET'S BE GOOD CITIZENS AT SCHOOL (GA)**

p 10 minutes B&W: \$2.15  
Children show how to be good citizens at school by getting to school on time, by aiding newcomers, by thinking ahead to avoid disturbing others, and by doing things together in class.

**LET'S BE GOOD CITIZENS IN OUR NEIGHBORHOOD (GA)**

p 8 minutes B&W: \$2.15  
The following points are made: helping to improve the neighborhood, being polite, respect for neighbor's property, helping others, and taking pride in your neighborhood.

**LET'S BE SAFE AT HOME (POR)**

p-i 9 minutes Color: \$3.15  
Stresses the importance of safe attitudes. Five incidents are dramatized, based on the main accident causes in the 5-14 age group. In each case an unsafe attitude is corrected before harm results, proving that one is not likely to get hurt when remembering to be alert, careful, courteous, and considerate.

**LET'S CATCH REPTILES (BFS)**

i-j 11 minutes Color: \$3.15  
Ted, Dick, and Susan take a collecting trip in the fields near their home. They find a brown-shoulder lizard, a blue-bellied swift, a bluetail skink, a horned lizard, a tortoise, and a king snake.

**LET'S COUNT (C)**

p 11 minutes B&W: \$2.15  
Children learn that counting is much more than a mere repetition of consecutive numbers. Through the problems of counting a group of baby chicks, blocks of a house, and a bag of marbles, they learn to distinguish between cardinal and ordinal counting.

**LET'S DANCE (C)**

j-h-c 12 minutes Color: \$4.50  
A visual presentation of the fundamentals of ballroom dancing. Starting with the proper manner of walking and standing, the film proceeds to show in simple and clear demonstration how to hold one's partner, the seven basic dancing positions, how to lead and follow, the pattern of a typical dance step, and proper etiquette on the dance floor.

**LET'S DISCUSS IT (NFBC)**

h-c-a 28 minutes B&W: \$5.55  
This film explains how a discussion group should carry on a discussion. The following main questions are answered: (1) Why—What is our purpose in organizing a discussion group? (2) How—What methods should we use to accomplish our purpose? (3) Who—What are the responsibilities of leaders and members?

**LET'S DRAW A BASEBALL PLAYER (C)**

p-i 8 minutes B&W: \$2.15  
Frank Webb, the well-known cartoonist, teaches us how to draw the amusing figure of a small baseball player. Watching



the artist's clear demonstration and simple explanation, we find how simple and interesting drawing can be. An opportunity for the viewer to compare his work with that of the film class is presented as we see some of the sketches made by the studio group.

### LET'S DRAW A PUPPY (C)

**p-i** 8 minutes **B&W: \$2.15**  
Frank Webb, the noted cartoonist, conducts an informal class in his woodland studio. The subject of the lesson is an appealing puppy. By following the artist's simple demonstration and clear explanation, children will learn the basic techniques of cartooning, and, by comparing their work with that of the film class, they will have some measure of their attainments.

### LET'S DRAW UNCLE SAM (C)

**p-i** 8 minutes **B&W: \$2.15**  
Cartoonist Frank Webb shows a group of youngsters how to draw a lifelike figure of Uncle Sam. He conducts his informal class in a woodland setting. By watching his simple pencil sketches and hearing his clear description, children will learn the fundamentals of line drawing.

### LET'S DRAW WITH CRAYONS (C)

**i** 11 minutes **Color: \$3.40**  
Classroom use of crayons (including how to handle, care for, and store) demonstrates some of the interesting art effects, expressions, and satisfaction that can be achieved through different crayon techniques.

### LET'S GIVE A TEA (SM)

**j-h-e-a** 22 minutes **B&W: \$4.15**  
Presents, in story form, the proper conduct at tea time—accepted procedures of dress, invitations, guest lists, etc. Advises on how to arrange a tea table including selection and placing of cloth, centerpiece, candles, service, cups, spoons, napkins, and food. Points out that rules of etiquette are practical and show consideration for guests.

### LET'S GO FISHING (OF)

**j-h-a** 10 minutes **B&W: \$1.70**  
Reviews briefly the universality of the sport, and proceeds from country-brook and string-fishing lines to the high seas and mechanical harpoons. Includes fishing trips for different types of salt water game fish, and the problems, hazards, and thrills of catching sailfish, tarpon, swordfish, and whales. The equipment and methods used to catch each species and the peculiar behavior of each fish are shown and explained. The climax is the chase, harpooning, and capturing of a sixty-foot, twenty-ton whale.

### LET'S GO TO THE CIRCUS (IFI)

**p-i** 9 minutes **B&W: \$1.65**  
You are given a "ringside" seat under the big tent of a three-ring circus. Aerial ballerinas, acrobats, clowns, racing horses, and elephants are shown.

### LET'S GO TO THE MOVIES (TFC)

**general** 9 minutes **B&W: \$2.15**  
Presents a general picture of the background, development, and technical advances of the motion picture industry. Shows stars and scenes from milestones of film history. Stars included are Mary Pickford, Charlie Chaplin, and Al Jolson. *Restricted to Classroom Use.*

### LET'S HAVE FEWER COLDS (C)

**p-i** 11 minutes **B&W: \$2.15, Color: \$3.40**  
Simple practices can reduce the number of colds we get each year, and this film points out these practices vividly and positively. It is important to avoid contact with people having colds and to avoid chilling or overheating.

### LET'S LOOK AT ANIMALS (McGH)

**p-i** 10 minutes **B&W: \$2.15**  
Animal traits are introduced to the child in order to give him a better understanding of their behavior. Animals are studied for movement, protection, food getting, and environment.

### LET'S LOOK AT ELEPHANTS (McGH)

**i-j-h-a** 14 minutes **B&W: \$3.65**  
Close-up shots give details of the external physical characteristics of elephants. Comparison of Asiatic and African elephants is made and sequences shot in Asia and Africa show these huge mammals in their natural habitats.

### LET'S LOOK AT MAPS (VDE)

**i** 12 minutes **B&W: \$1.90**  
An introduction to maps for the elementary grades. The map's symbols are compared with the Virginia countryside they represent.

### LET'S MAKE A CAKE (SM)

**j-h-e-a** 5 minutes **Color: \$2.15**  
A simple, efficient way to make a birthday cake is demonstrated in this home economics short.

### LET'S MAKE A CASSEROLE (SM)

**j-h-e-a** 5 minutes **Color: \$2.15**  
An appetizing way to use cold chicken in a casserole is pointed out to the student of the kitchen.

### LET'S MAKE A MEAL IN TWENTY MINUTES (SM)

**j-h-e-a** 5 minutes **Color: \$2.15**  
Sally utilizes her mother's emergency canned-goods shelves to turn out a hot meal in a very little time.

### LET'S MAKE A PIE (SM)

**j-h-e-a** 5 minutes **Color: \$2.15**  
Sally Gasco, working in the well-equipped kitchen of her home, explains the steps in making a pie.

### LET'S MAKE A SALAD (SM)

**j-h-e-a** 5 minutes **Color: \$2.15**  
Sally creates an attractive and delicious tossed salad for her mother's luncheon party.

### LET'S MAKE A SANDWICH (SM)

**j-h-e-a** 5 minutes **Color: \$2.15**  
Two boys present their ideas of a good sandwich in contrast with the more attractive tuna rarebit sandwiches that Sally prepares.

### LET'S MAKE CONCRETE (PCA)

**h-e-a** 20 minutes **Color: N.C.**  
Emphasizes uses of concrete on the farm, particularly as a yard for livestock and as feeding floors. Shows how to mix concrete for various purposes, how to make footings, and construct concrete floors.

### LET'S MAKE PUPPETS (LFI)

**p-i** 10 minutes **B&W: \$2.15**  
Newspapers, flour paste, and crayons are used as materials in this simple demonstration of puppet making.

### LET'S MEASURE: INCHES, FEET, AND YARDS (C)

**p-i** 11 minutes **B&W: \$2.15, Color: \$3.40**  
Jimmy's father uses a ruler to measure Jimmy's height. Jimmy learns how to estimate inches, feet, and yards.

### LET'S MEASURE: OUNCES, POUNDS, AND TONS (C)

**p** 10 minutes **B&W: \$2.25**  
A pound of cotton and a pound of iron bolts look different, but Tommy uses the scale and finds that each weighs the same. He builds up a pound by adding ounces ( $\frac{1}{4}$  lb. and  $\frac{1}{2}$  lb. are introduced); he discovers some of the ways we use measurements of weight; and he begins to learn to estimate weight of common articles.

### LET'S MEASURE: PINTS, QUARTS, AND GALLONS (C)

**p** 10 minutes **B&W: \$2.25**  
This film finds Ricky puzzling about liquid measures as his mother makes punch. Experimenting, he discovers numerical relationships among the standard measures and learns that the shape of a measure does not affect the amount it will hold. On a subsequent trip to the store, Ricky sees symbols for the measures and has fun identifying various quantities.

### LET'S PAINT WITH WATER COLOR (C)

**p-i** 10 minutes **B&W: \$2.15, Color: \$3.40**  
Different ways to use water color correctly are contrasted with the bad results that come when the correct ways are not used. Shows the benefits of organizing work, keeping paints and paint trays clean, of changing paint water and taking care of brushes. Three basic techniques for achieving different effects in the pictures painted are demonstrated.



**LET'S PLAY FAIR (C)**

**p-i**                    10 minutes                    **B&W: \$2.15, Color: \$3.40**  
Sharing, taking turns, and obeying rules are some basic elements of fair play that Herbie and his brother, Bill, discover.

**LET'S PLAY SAFE (POR)**

**general**                    10 minutes                    **B&W: \$2.15, Color: \$3.40**  
Combining live photography and animation, this film shows school children on the playground. Six playground incidents are dramatized showing hazardous situations developing. Just as it appears that someone will get hurt the action is stopped, and animated characters show what might happen. Then the children repeat their performances safely. The positive approach used throughout this film makes it very effective for motivating an interest in safety on the playground, especially on the intermediate grade level.

**LET'S PLAY WITH CLAY: ANIMALS (YA)**

**p-i-j**                    11 minutes                    **B&W: \$2.15**  
Demonstrates the general character of clay and how to handle it. Shows how to make such simple forms as a bird, pig, rabbit, fish, cat, and snowman.

**LET'S PLAY WITH CLAY: BOWLS (YA)**

**p-i-j**                    11 minutes                    **B&W: \$2.15**  
Demonstrates the rolling of a piece of clay between the hands to make a ball, and shows how this can be worked by hand into a variety of shapes—a teacup, saucer, cream pitcher, sugar bowl, and several decorative bowls.

**LET'S PRONOUNCE WELL (C)**

**i-j**                    10 minutes                    **B&W: \$2.15**  
A teacher helps a sixth-grader, whose pronunciation is indistinct, to enunciate words and syllables carefully, to speak clearly and naturally, and to be actively aware of correct pronunciations.

**LET'S READ POETRY (BFS)**

**i-j**                    9 minutes                    **B&W: \$2.15**  
Tommy, a boy of 13, reads several poems and the narrator shows him how he could read with better understanding. Designed to help the teacher stimulate interest in the reading of poetry and to help the student understand what he reads.

**LET'S SHARE WITH OTHERS (C)**

**p**                    11 minutes                    **B&W: \$2.15**  
Examples of sharing demonstrate to children that sharing is a desirable and essential discipline of democracy. The inherent or natural limitations of sharing are illustrated but the new values and pleasures that come with sharing are emphasized.

**LET'S SING A WESTERN SONG (UW)**

**i-j-h-c-a**                    7 minutes                    **B&W: \$1.70**  
Fred Waring's Pennsylvanians with the Gordonairs and the University Chorus present *Wagon Wheels, Red River Valley, Home on the Range* and *Deep in the Heart of Texas*.

**LET'S SQUARE DANCE: SPLIT THE RING (IU)**

**j-h-c-a**                    10 minutes                    **Color: \$3.40**  
Shows by live and animated photography the square dance figure "Split the Ring," and illustrates and explains background terms and movements relative to this figure. Uses normal speed and slow motion photography as three squares of dancers demonstrate the various movements involved.

**LET'S SQUARE DANCE: TAKE A LITTLE PEEK (IU)**

**j-h-c-a**                    10 minutes                    **Color: \$3.40**  
Teaches the square dance figure "Take a Little Peek," with synchronous music and action. Presents live and animated demonstrations of the dance at regular speed and in slow motion, and explains the positions of partners, how to honor corners and partners, and how the steps are performed to facilitate the continuity of the dance. Pictures groups dancing the figure to regular square dance music in a natural situation.

**LET'S TAKE A WALK ALONG THE BROOK (GA)**

**p-i**                    10 minutes                    **Color: \$3.40**  
A field trip along a brook shows minnows, tadpoles, insects, rabbits, quail, frogs, crayfish, and birds.

**LET'S TRY CHORAL READING (YA)**

**i-j-h**                    11 minutes                    **B&W: \$2.25**  
Explains the values derived from choral reading and demonstrates its simple techniques.

**LET'S VISIT A POULTRY FARM (C)**

**p-i**                    9 minutes                    **B&W: \$2.15**  
Betty, a young city dweller, takes a tour of a poultry farm. She learns about all the types of poultry as well as their feeding habits.

**LETTER FROM ALASKA (NOR)**

**general**                    20 minutes                    **Color: \$6.15**  
History of Alaska—modernization—varying regions, their people and industries—scenes of glaciers, volcanoes, Valley of 10,000 Smokes.

**LETTER FROM INDONESIA (CW)**

**i-j-h**                    16 minutes                    **Color: \$5.30**  
Portrays Indonesia as a nation—her geographical location and size, her people and their mode of life, and their reliance on our concepts of freedom in their struggle for independence. Concludes with a brief review of current educational and social reforms following 300 years as a colony.

**LETTER TO A REBEL (McGH)**

**h-c-a**                    17 minutes                    **B&W: \$3.85**  
Presents a visualized letter from a newspaper editor to his son in college, answering an editorial written by the son in his college paper in which he fancies himself a rebel against the established order.

**LETTER TO GRANDMOTHER (C)**

**p-i**                    18 minutes                    **B&W: \$3.65, Color: \$5.85**  
When Mary mails her letter to Grandmother, a friendly postman invites her to visit the post office. She learns how mail is collected, cancelled, and sorted. She also sees how her letter is sent to its destination via railway mail car and the R.F.D. carrier.

**LETTER WRITING FOR BEGINNERS (C)**

**p-i**                    11 minutes                    **B&W: \$2.35**  
Pat gets an invitation, Susan gets a thank-you letter, and Eddie gets a friendly letter. As Eddie answers his letter, we learn about the five parts of a letter, indented and block form, the use of capital letters and punctuation and how to address an envelope. Throughout the film, the fun of getting and writing letters is stressed.

**LEVER, THE (JUNIOR SCIENCE SERIES) (McGH)**

**j**                    13 minutes                    **B&W: \$2.60**  
The machine that is used more than any other machine in the world. What a lever is and how it is used. Fascinating experiments with levers. How we use levers every moment of our lives.

**LEVER-AGE (SOC)**

**h-c-a**                    20 minutes                    **B&W: \$2.15**  
Deals with man's use of the principle of the lever through its many refinements from the early crowbar to modern, smooth-running gears.

**LEVITTOWN, PENNSYLVANIA (McGH)**

**h-c-a**                    28 minutes                    **B&W: \$5.15**  
Describes the completely pre-planned community in Bucks County, Pennsylvania. Bill and Alfred Levitt discuss their philosophy of building and the problems encountered. Shows complete construction from empty lots to finished dwellings.

**LEWIS AND CLARK (EB)**

**i-j-h**                    19 minutes                    **B&W: \$4.15**  
Tells the story of the expedition made by Lewis and Clark to explore the West. Follows their party up the Mississippi River to Mandan Indian territory in North Dakota, their meeting with the Frenchman Charbonneau and his Indian wife, Sacajawea, and their journey across the Rockies and down the Columbia River.

**LIBERAL EDUCATION (USN)**

**h-c**                    21 minutes                    **Color: \$2.15**  
John Paul Jones wrote that naval officers should be "men of liberal education." In using his words as a guide to officer training, the United States Navy provides a most liberal education for its scholarship students enrolled at colleges under the NROTC training program. For four years, the young man in naval training gets the best in liberal education with summers spent at sea, putting to use what he has learned in his naval science classes. When the four years are through, he has become a well-educated naval officer.



## **LIBERATION OF PARIS, THE (YOU ARE THERE) (CBS)**

j-h-c-a 27 minutes B&W: \$5.65  
The culmination of a long and terrible struggle comes on August 25, 1944, when the victorious Allied Armies again march in Paris. The liberation was an amazing up-lift in the morale of the armed forces. Now, after years of slavery, the peoples of Paris could live again in freedom.

## **LIBERIA, AFRICA'S ONLY REPUBLIC (ASF)**

j-h-c-a 27 minutes Color: \$5.90  
Geography, history, and topography of the country. The film surveys the flora, fauna, manners, and customs of the people. Also included is a sequence on rubber planting and harvesting on the Firestone plantations.

## **LIBRARIAN, THE (VGF)**

h-c 9 minutes B&W: \$2.15  
Requirements for a good librarian are presented. The classifications of librarians and the activities of general librarians and specialists are explained.

## **LIBRARY OF CONGRESS (UW)**

j-h-c 20 minutes B&W: \$2.90  
Varied facilities and activities of the Library of Congress. Tours the main corridors of the immense library.

## **LIBRARY ORGANIZATION (C)**

j-h-c 11 minutes B&W: \$2.15  
High school and college students are expected to have a certain basic knowledge of the organization of libraries, but this is not enough for really efficient use of the library. A more detailed understanding of library organization speeds up work in the library and makes for better studying and better use of study time. By explaining the card cataloging system and the Dewey Decimal System in use in one typical library, the film provides students with the means for making their libraries easy to use.

## **LIBRARY STORY (EB)**

i-j-h 15 minutes Color: \$5.00  
Ways in which a modern public library serves its community. Dwells on the varied interests of "regular" readers, children, teen-agers, blind people, and those interested in music, showing how the library helps them all. Takes us to the children's room, conference room, reference room, catalogue and micro-film sections, and the art balcony.

## **LIFE ALONG THE WATERWAYS (EB)**

i-j 11 minutes Color: \$3.40  
Shows the plants and animals which may be seen in a yearly cycle of life near a New England brook and river.

## **LIFE AND DEATH OF A CELL, THE (IFB)**

j-h-c 22 minutes Color: \$6.65  
A clear explanation of how the cell embodies all the functions and properties common to living things. The first section of the film shows habitat, morphological details, feeding, digestion and egestion of the amoeba. The second section shows, by microsurgery, the importance of the nucleus and the process of cell division. The film concludes with a summary of the material covered giving a lasting impression of the facts of cell physiology.

## **LIFE AND TIMES OF THE IRON HORSE (AMERICAN ADVENTURE SERIES) (McGH)**

j-h 11 minutes B&W: \$2.55  
Deals with the period of American history between 1830 to 1870. Illustrates the need for and the development of the steam locomotive and steel rails, culminating in a transcontinental railroad.

## **LIFE BEGINS (EB)**

c-a 55 minutes B&W: \$11.15  
Summarizes the individual Child Development films and surveys Dr. Gesell's work at the Yale Clinic of Child Development. The film stresses the need for promoting the infant's mental and physical hygiene and treats many phases of infant behavior.

## **LIFE CYCLE HOUSING FOR HOGS (ISU)**

h-c-a 18 minutes Color: \$2.15  
A farmer with help from an agricultural engineer, plans for 12 months production of pigs. Describes problems and procedures.

## **LIFE CYCLE OF A FLY (UW)**

j-h-c-a 10 minutes B&W: \$2.15  
Shows the complete life cycle of the blue bottle fly. By magnification, the body characteristics and the anatomical development during each stage are illustrated.

## **LIFE CYCLE OF A TROUT (UW)**

h-c 11 minutes B&W: \$2.15  
Shows fertilization and development of the germinal disc and yolk-sac, and the formation of the tail, head region, sense organs, gill-clefts, and vascular system. Examines in detail the structure of the embryo shortly before hatching.

## **LIFE CYCLE OF THE DIPHYLLOBOTHRIUM LATUM (UW)**

c 17 minutes B&W: \$2.65  
Traces the life cycle of the broad tapeworm of man.

## **LIFE CYCLE OF THE FROG (UW)**

i-j-h-c 10 minutes B&W: \$2.15  
Development of the frog from the fertilization of the egg to the emergence of the adult. By means of close-up photography and photomicrography, a detailed analysis of its structure and growth can be made.

## **LIFE CYCLE OF THE MOSQUITO (YA)**

j-h-c 11 minutes B&W: \$2.15  
This film describes the life cycle, structure, and feeding habits of the mosquito. Life action and animation are used to show the anatomy of the mosquito egg, the larvae and pupal cases.

## **LIFE CYCLE OF THE MUSCOVY DUCK (BFS)**

j-h-c 11 minutes Color: \$3.40  
The actual hatching of the eggs, care of the young, aquatic and terrestrial feeding habits, and activities such as swimming, waddling, and roosting of the Muscovy duck are depicted. Working of the nictitating membrane, or third eyelid, is detailed. Animated charts and live sequences depict the principles of heredity.

## **LIFE FROM THE SUN (IFB)**

j-h 15 minutes Color: \$5.10  
During a trip with his father on a jet plane, a boy becomes convinced that life as we know it on earth depends on radiant energy from the sun. Telescopic scenes of solar prominences show how the sun's restless surface projects its energy toward the earth. The sun's role in producing coal, oil, and other forms of stored energy is reviewed. Rare scenes of a solar furnace, housing powerful lenses which melt metal in seconds demonstrate the progress of scientists trying to harness the sun as a direct power source.

## **LIFE IN A COAL MINING TOWN (C)**

i-j-a 11 minutes Color: \$3.40  
As we follow the activities of a family in David, Kentucky, we gain a rich appreciation for the patterns of living that have developed around the coal mine and mining, and we see some of the many uses of coal—one of our nation's important resources.

## **LIFE IN A CUBIC FOOT OF AIR (C)**

i-j-h 11 minutes B&W: \$2.25  
Using a reflective approach, the film explores the life in a cubic foot of air taken from the air around us. We learn that air is composed of various gases in which exist living forms such as yeast, molds, bacteria, amoeba and pollen grains, and non-living matter as soil, soot, and ash. Each of these components is shown clearly through microphotography or in closeup scenes.

## **LIFE IN A DROP OF WATER (C)**

i-j-h 11 minutes B&W: \$2.15, Color: \$3.40  
These concepts are presented: (1) basic necessities of animal life, (2) simplest forms of plant and animal life, (3) colonial forms of simple animal life. The various single-celled forms meeting the minimum problems of life are shown in relation to their environment. The relative advantages of colonial over individual life are pointed out.

## **LIFE IN A FISHING VILLAGE (SWEDEN) (C)**

i-j 10 minutes B&W: \$2.15, Color: \$3.40  
The colorful village of Gravarna, Sweden, is typical of fishing villages the world over. Depicts Nils Larson and his family at work, at school, at play. A revealing behind the scenes picture of the fishing industry, including a trip out to sea with the fishing fleet. Gives a better understanding of the part such a village plays in the world community today.



**LIFE IN A GARDEN (McGH)**

general 13 minutes Color: \$3.90

A study of the various common forms of animal, insect, and bird life of a typical suburban garden is featured in this film.

**LIFE IN A POND (C)**

general 9 minutes B&W: \$2.15, Color: \$3.40

Pond life is presented "in action," showing microscopic animals, food-chains, and wealth of plant and animal life that provide examples of important principles of natural science. Blends natural setting scenes and controlled set-ups with underwater and microscopic scenes.

**LIFE IN AN AQUARIUM (McGH)**

p-i 10 minutes B&W: \$2.15

A classroom aquarium stocked with goldfish, snails, and tadpoles. Explains how fish breathe under water and that all animals need oxygen. Shows the difference between lungs and gills, how fish use their tails and fins for locomotion, the stages of the development of the frog from the tadpole, and how snails move about and protect themselves.

**LIFE IN ANCIENT GREECE: HOME AND EDUCATION (C)**

i-j-h 14½ minutes Color: \$4.50

Filmed in Athens, Greece, the picture follows the activities of a typical family of this city in 440 B.C. Through the warm, humane story of a young Athenian boy and a beautiful vase, we learn how the people furnished their homes, what foods they ate, how they dressed, how they worshipped, what their schools were like, and of the education of the daughter in household arts. We also see the pottery factory which is the family's livelihood.

**LIFE IN ANCIENT GREECE: ROLE OF THE CITIZEN (C)**

i-j-h 11 minutes Color: \$3.60

Photographed in and around Athens, Greece, the film re-creates the political and economic life in a Greek city-state in 440 B.C. We learn about the privileges and responsibilities of citizenship in this early democracy as we travel with the boy, Leander, and his father through the countryside and the city. We visit a farm, a pottery factory, meet other citizens and watch Greek youths taking the momentous Ephebic Oath, pre-requisite to full citizenship.

**LIFE IN ANCIENT ROME: THE FAMILY (C)**

i-j-h 11 minutes Color: \$3.60

Filmed in Rome and in other authentic settings, this film portrays the activities of Marcus and his family during a typical day in ancient Rome. Students will observe the education of Marcus and his sister, visit their father's shop and the Roman baths, and see other early activities against a background of Roman dwellings, costumes, and artifacts.

**LIFE IN COLD LANDS (ESKIMO VILLAGE) (C)**

i 11 minutes B&W: \$2.15, Color: \$3.40

Common activities in the life of the Agootuk family are fishing, seal hunting, trapping animals for fur, putting up their summer homes, and shopping in the village store. Through this intimate study of the Eskimos of Unalakleet, Alaska, pupils become aware of the patterns of living in a cold land.

**LIFE IN GRASSLANDS (ARGENTINE PAMPAS) (C)**

i-j 11 minutes Color: \$3.60

Señor Molinos and his family acquaint us with family and community life on one of the representative grasslands of the world. The Argentine pampas is a productive region, producing abundant food crops and fine sheep and cattle.

**LIFE IN HAITI (DPP)**

i-j-h 17 minutes Color: \$5.85

The daily life and work of village and plantation people is seen on this Caribbean island where Columbus landed in 1492. Cooking of staple foods, marketing, building a home, grinding casava and sugar cane, culture of sisal for fiber and making music with simple rhythm instruments are included.

**LIFE IN HOT, DRY LANDS (CALIFORNIA) (C)**

i-j-h 10 minutes B&W: \$2.15, Color: \$3.40

In a land robbed of rain, all forms of life must struggle to survive. This film tells the story of the fierce battle of survival waged by the starving plant life, the animals, and human beings of the desert who must adapt themselves to this grim existence.

**LIFE IN HOT RAIN FORESTS (AMAZON BASIN) (C)**

i-j 13 minutes Color: \$4.80

This film explains the climatic factors that cause a tropical rain forest and shows how people in one of these areas adapt themselves to this kind of environment. Along the Amazon River live small communities of people of mixed Indian and Portuguese blood. We observe the Povo family as they tend their small garden, prepare their meals, and gather products from the forest for trade.

**LIFE IN HOT, WET LANDS (CONGO BASIN) (C)**

j-h-a 11 minutes B&W: \$2.15

The story of how climate influences the lives of people in hot, wet lands. Set in the Congo Basin, this film provides an authentic, accurate account of the life of a jungle boy and his family. Carefully correlated to standard texts and curriculum objectives, it shows how people adapt their clothing, shelter, social activities and food gathering to the geographic region in which they live.

**LIFE IN LOWLANDS (NETHERLANDS) (C)**

i-j 10 minutes B&W: \$2.15, Color: \$3.40

Grandfather shows Nina and Peter how much of their country was claimed from the sea and made into rich polders, or farm land. With this Dutch family, we learn some basic relationships between people and environment.

**LIFE IN MEDITERRANEAN LANDS (CALIFORNIA) (C)**

i-j 10 minutes B&W: \$2.15, Color: \$3.40

Every continent has at least one example of the unusual "Mediterranean Climate," named after the lands bordering the Mediterranean Sea. This film is laid in the narrow coastal strip of Southern California, a perfect example of this climatic area. It shows how the people there live and adapt themselves, and what plant and animal life is to be found.

**LIFE IN MOUNTAINS (SWITZERLAND) (C)**

i 11 minutes B&W: \$2.15

Living in the mountains is described in this fascinating film study. A background for the study of Switzerland.

**LIFE IN MOROCCO (DPP)**

i-j-h 11 minutes Color: \$3.60

Shows how people live and work in the country and the city in this North-African nation. Examples of primitive agriculture, and making products of wool, leather, clay, metals, and building stone are included. A colorful gathering of people of various races at the market place is depicted.

**LIFE IN NORTHERN LANDS (NORWAY) (C)**

i-j 10 minutes Color: \$3.40

A Norwegian farm family, near Bergen, show how people in a northerly latitude adjust their lives and seasonal occupations to the climate and topography. The family is seen harvesting hay and grains during the short Norwegian summer, and also in the wintertime, when the children ski to school and their brother and father are occupied with the fishing and cutting timber. Concludes with a summary and questions concerning the geography, economy, and social life of the region.

**LIFE IN NORWAY (DPP)**

i-j-h 13 minutes Color: \$3.60

Emphasizes the effect of geography and climate on the Norwegian way of life. Shows some of the cities, inland waterways, agriculture and industries and the ways that people work and play in the city and the country. Points out basic similarities between people of various countries.

**LIFE IN OLD LOUISIANA (1830-1850) (EB)**

i-j-h 11 minutes B&W: \$2.15

Louisiana society and economy in the 1830's. Calls attention to customs and manners of the period, the prevailing French language, the Mississippi River and its packet boats, the delta country, cotton and cane plantations, slavery, education, religion, architecture, music, and the "code duello."

**LIFE IN THE ALPS (AUSTRIA) (C)**

i-j 11 minutes Color: \$3.40

Haying, gardening, lumbering, and grazing livestock are the activities that fill the lives of people living on the high slopes of the Austrian Alps. The seasonal movement of cattle and sheep from lower pastures to higher grazing lands illustrates how farmers have worked out a successful pattern of agriculture in a difficult and challenging Alpine terrain.



**LIFE IN THE ANTARCTIC (KB)**

i-j-h 11 minutes B&amp;W: \$2.15

No man lives on the great Antarctic continent. Some animals find winter homes in the warmer waters of the surrounding ocean; a few animals are pictured in their habitats. The whaling station on South Georgia, the nearest human habitation to Antarctica, is shown in this study of the cold continent.

**LIFE IN THE CENTRAL VALLEY OF CALIFORNIA (C)**

i-j-h 10 minutes B&amp;W: \$2.15

Nowhere is man's conquest of nature more perfectly illustrated than in the great Central Valley of California. A handful of the early settlers began to dig wells and build dams to give this naturally fertile soil the precious water needed. Today, its luxurious abundance of many different crops and its thriving cities boast of man's prosperity there.

**LIFE IN THE DESERT (EB)**

i-j 11 minutes B&amp;W: \$2.15

Seemingly desolate, the hot dry lands of the West support a variety of plants and animals. There is enough food, water, and safety for living things that are adapted to desert conditions, but the community's survival depends on the balance of nature.

**LIFE IN THE FOREST (NORTH AMERICA) (EB)**

j-h-c-a 13 minutes Color: \$3.40

Shows how forests are constantly changing and are densely populated. Reveals the interrelationship between plant and animal life in the surroundings of the forest. Typical flora and fauna are shown to illustrate ecology of the forest.

**LIFE IN THE GRASSLANDS (EB)**

j-h-c-a 11 minutes Color: \$3.40

Depicts plant, animal and insect life on the grasslands illustrating the interrelationships of living things and their surroundings. This beautiful photography tends to lead to appreciation as well as understanding of the grasslands ecology.

**LIFE IN THE HIGH ANDES (C)**

i-j 11 minutes Color: \$3.60

This film shows how life in high mountains is affected by altitude and climate. Visiting an Indian family living in a mountain valley in Peru, we learn how farming, grazing, and weaving are important to their lives. The camera shows the influences of the ancient Incan civilization and presents colorful views of market day in the village.

**LIFE IN THE NILE VALLEY (C)**

i-j 10 minutes B&amp;W: \$2.15, Color: \$3.40

Within the narrow Nile Valley, where over fifteen million people live, an agricultural society has existed for thousands of years. A close study of the activities of a typical Egyptian farm family. A Nile River journey from Cairo to Aswan.

**LIFE IN THE OCEAN (FA)**

i-j-h 17 minutes B&amp;W: \$3.65

Fish and marine life in underwater adventure. Many plants and animals of shore, shallow water, and ocean depths are related to each other. Their similarity is the result of environment.

**LIFE IN THE SAHARA (EB)**

i-j-h 14 minutes Color: \$5.15

Reviews important aspects of the life, habits, and customs of people living in the Great Sahara Desert region of Africa. Portrays typical vegetation and topography of the desert. Directs attention to water and transportation problems and emphasizes the contribution made by the camel to desert life.

**LIFE IN THE SEA (EB)**

j-h-c-a 11 minutes Color: \$3.80

Provides a fascinating glimpse of the life under the surface of the sea. It divides sea life into three general groups: the plankton, the bottom dwellers and the free-swimming animals. The film describes the interrelationship of plants and animals in providing a chain of food and maintaining a delicate balance of life.

**LIFE IN THE WOODLOT (McGH)**

h-c 17 minutes Color: \$6.25

Filmed within a few acres of woods left standing in the midst of cultivated farmland, we see the complex pattern in which the seasonal and the life cycles of man, animals and plants are interrelated.

**LIFE INSURANCE OCCUPATIONS (ILI)**

h 10 minutes B&amp;W: \$2.15

Depicts the role that the insurance business plays in the social and economic life of our country. How life insurance, employing over 300,000 men and women, offers interesting and significant career opportunities is also shown.

**LIFE LINE OF THE NATION (AAR)**

i-j-h-c-a 21 minutes B&amp;W: \$2.15

Men keep the American railroads running on time. Authentic behind the scenes activities in the nation's transportation system. Also indicates how the railroads meet wartime emergencies.

**LIFE OF A PHILIPPINE FAMILY (C)**

p-i 10 minutes Color: \$3.40

A Philippine family of a farm village illustrates the simple means by which these people meet their needs. The father tells of the daily life of the family: his work in the rice fields, the children's chores, their schooling, their games, and finally, a birthday celebration for his son.

**LIFE OF A PLANT (EB)**

general 10 minutes Color: \$3.40

Life cycle of a typical flowering plant, the pea. Identifies the roles of roots, stems, leaves, flower, fruit, and seed. Live-action shots are dramatized through time-lapse photography. Animated drawings reveal functioning of the various parts of the plant.

**LIFE OF A PRIMITIVE PEOPLE (AFRICA) (C)**

i-j 14 minutes Color: \$4.20

Through observation of a primitive tribe of people in Africa today, we see a simple way of life most closely paralleling that of early man in prehistoric times. This pattern of life includes hunting for food, using fire, and adapting available materials to make clothing, shelter, utensils, and weapons.

**LIFE OF CHRIST (ATH)**

general 15 minutes B&amp;W: \$3.90

The life of Christ as seen in the woodcuts of Albrecht Durer (1471-1528). Close-ups of details of the woodcuts are included to show minute observations, the perfectly-caught gestures, and fleeting expressions.

**LIFE OF CHRIST IN ART, THE (C)**

j-h-c-a 22 minutes Color: \$6.65

Through paintings drawn from seven centuries of religious art and through carefully developed visual imagery, this film constructs the major events in the life of Christ. The accompanying narrative is composed largely of passages from the New Testament.

**LIFE OF CHRIST IN ART, THE (CATHOLIC VERSION) (C)**

j-h-c-a 22 minutes Color: \$7.00

Paintings drawn from seven centuries of religious art depict significant events in the life of Christ. They are accompanied by Biblical quotations taken from the Confraternity edition of the New Testament. This version has been approved by the Catholic Audio-Visual Educators for use in Catholic schools.

**LIFE OF EMILE ZOLA (TFC)**

general 30 minutes B&amp;W: \$4.65

An excerpt which stirringly depicts Zola's defense of Captain Dreyfus. *Restricted to Classroom Use.*

**LIFE OF NOMAD PEOPLE (DESERT DWELLERS) (C)**

i 11 minutes B&amp;W: \$2.15, Color: \$3.40

The desert tribes, moving in search of pasture and water and following the herds that provide food and clothing, have had tremendous influence upon the course of history. From them have come many of our traditions and cultural roots.

**LIFE OF THE MOLDS (McGH)**

h-c 21 minutes B&amp;W: \$3.60

Reveals the importance of molds in our daily lives. Shows their impact upon history and some of the beauty and mystery to be found in the study of these tiny plants.

**LIFE ON A CATTLE RANCH (C)**

p-i-j 11 minutes Color: \$3.40

How does a cattle ranch function? What does ranching entail? We join Tommy in his chores and pleasures of raising and selling cattle, interspersed with traditional Western recreation—folk singing and rodeos.



**LIFE ON A DEAD TREE (FA)**

i-j 11 minutes Color: \$3.40

An elementary science film. Shows how an old dead tree actually teems with life and how the balance of nature is maintained.

**LIFE ON A FRENCH FARM (C)**

i-j-h 11 minutes B&amp;W: \$2.15, Color: \$3.40

Visiting the Duval family reveals many aspects of French farm life that are similar to those in our country. Studied are the daily activities on the farm and the village home life where farmers compare problems and contribute to the community.

**LIFE ON A SHEEP RANCH (C)**

p-i-j 11 minutes Color: \$3.40

The owner of a sheep ranch lets his son, Andy, stay with the sheep herder for the summer months. In a Colorado mountain setting Andy learns to handle the dogs, watch the sheep, protect them from coyotes, and recalls other seasonal activities on the sheep ranch.

**LIFE ON THE MODERN FARM (McGH)**

j-h-c-a 16 minutes B&amp;W: \$3.65

Shows the typical American farmer with his latest type equipment, and his family as a major consumer of products of modern industry. The young people's new way of life is typified by the rapid expansion of the 4-H Club movement.

**LIFE STORY OF A FERN (UW)**

j-h-c-a 16 minutes B&amp;W: \$3.15

Studies the two generations in the life history of the fern. The structure of male and female organs and the process of fertilization are depicted.

**LIFE STORY OF A WATERMOLD (PF)**

j-h 12 minutes B&amp;W: \$2.35

Cell structures, movements of protoplasm, growth and reproduction of Allomyces and a saphrophytic mold are shown by means of phase-contrast microphotography.

**LIFE WITH A BABY (McGH)**

j-h-c 20 minutes B&amp;W: \$3.40

Through the research of the Yale Child Development Clinic, many definite standards of development of children up to six years of age have been established. The film reveals the patterns of normal child development through a one-way vision dome.

**LIFE WITH GRANDPA (McGH)**

c-a 17 minutes B&amp;W: \$2.90

Discusses the problems of old age including degenerative diseases and economic insecurity. Various remedies are suggested to problems including the feeling of loneliness and uselessness that so frequently comes with old age.

**LIFE WITH JUNIOR (McGH)**

h-c-a 19 minutes B&amp;W: \$3.40

Follows a typical day in the life of a ten-year-old boy. Stresses the need for developing the child's potentialities. Shows the anxieties of parents over guiding their children in today's world and explains ways in which to cope with behavior problems. Some major problems of child behavior are covered in this film.

**LIFELINE (OWI)**

j-h-c 16 minutes B&amp;W: \$2.15

Vivid camera shots of the attack against Rendova and Munda, the Japs' counter attack and the magnificent job of evacuating the wounded and saving their lives.

**LIFESAVING (USDA)**

j-h-c-a 15 minutes B&amp;W: \$2.65

Demonstrates the swimming strokes best adapted to life saving; approaches; breaking holds; carries; and methods of rescuing by boat and by ring buoy. Includes a complete picturization of the Schafer method of resuscitation.

**LIFT: AERODYNAMICS SERIES (CAA)**

j-h-c 8 minutes B&amp;W: \$2.15

Film is divided into two parts. The first part treats of Bernoulli's principle and its application to lift; the second part demonstrates various lift experiments, including among which is a comparison of the flight of an airplane and a kite.

**LIGHT ALL ABOUT US (C)**

i-j 10 minutes B&amp;W: \$2.15, Color: \$3.40

Through observation and experimentation David finds that we see only when there is light. This prompts him to delve into the phenomena of both reflection and refraction and to study such instruments as binoculars, magnifying glasses, mirrors, and eyeglasses.

**LIGHT AND COLOR (SCIENCE) (EB)**

i-j 11 minutes Color: \$5.00

Illustrations and experiments explore the science of color: what color is, how it is related to light, how the eye sees color, and how color can give us information about things.

**LIGHT AND DARK (EB)**

p-i 6 minutes Color: \$2.15

Camera studies in light, shadow, and graduations of color illustrate the meaning of values in art. Children are encouraged to experiment with light and dark objects to discover what value is and how it makes them feel.

**LIGHT AND HEAT (PRIMARY SCIENCE) (GA)**

p-i 9 minutes B&amp;W: \$2.15

Jack and Jim give a shadow play and become interested in the properties of light—reflection, refraction, and conduction. Their experiments show that where there is light there is usually heat. They learn about some of the sources and uses of heat.

**LIGHT AND ITS STORY (UW)**

i-j 14 minutes Color: \$4.70

A science professor demonstrates to a scientifically curious boy, the sources, characteristics and usefulness of light. Through animation and live photography, we see how the sun provides practically all of the earth's light. The principles of reflection and refraction and their uses are vividly explained. The development of new sources of light and new methods of controlling and utilizing the natural sources are topics discussed by the film.

**LIGHT AND POWER (EB)**

i-j-h-a 15 minutes B&amp;W: \$3.65

Great achievements in the harnessing of electric power upon which our world now relies for its work, its play, its transportation, and communication. It shows that in the further development and proper control of electric power lies the promise of the future.

**LIGHT AND SHADOW (McGH)**

i-j 10 minutes B&amp;W: \$2.15

An introduction to the nature and behavior of light. Demonstrates how light rays are reflected and explains such terms as luminous, transparent, translucent, and opaque.

**LIGHT FOR BEGINNERS (C)**

p 11 minutes Color: \$3.60

The film uses familiar sources of light in familiar settings to demonstrate some of the properties of light. Everyday household objects are used to help children realize that they have already observed many properties of light. Shadows, reflections, the straight path of light, and the rainbow are vividly illustrated.

**LIGHT: ILLUMINATION AND ITS MEASUREMENT (C)**

j-h 13½ minutes Color: \$4.80

This film illustrates the common sources of artificial light, and explains their operation. It describes in detail the measurement of light, including luminous intensity, luminous flux and illumination. Other basic terms such as candlepower, lumen and foot-candle are fully explained and demonstrated.

**LIGHT: LENSES AND OPTICAL INSTRUMENTS (C)**

j-h 13½ minutes Color: \$4.80

This film explains in detail the principles by which lenses function. The similarity of a simple camera to the human eye is shown. We see the effects of different lens curvatures and of systems of lenses. Practical applications of the properties of lenses are discussed in eyeglasses, the microscope, the telescope, and other optical instruments.

**LIGHT OF IMPRESSIONISTS (AL)**

h-c-a 9 minutes Color: \$3.90

Gives a study of the paintings of the prominent impressionists and how they used light and its effects in creating their works of art. Illustrated are the works of Monet, Morisot, Pissaro, Renoir, Cezanne, van Gogh, Degas, and Seurat.



**LIGHT: REFLECTION (C)**

j-h 13½ minutes Color: \$4.80

The laws of reflection and the formation of images are shown in detail in this film. The film illustrates the different types of reflection, and demonstrates the formation of real and virtual images in plane mirrors, convex and concave mirrors, and parabolic mirrors.

**LIGHT: REFRACTION (C)**

j-h 13½ minutes Color: \$4.80

How and why light changes direction, or is refracted, when it passes from one substance into another is graphically illustrated in this film by laboratory demonstration and animation. The film explains Snell's law for determining the index of refraction, and shows how the laws of refraction are applied in the use of lenses.

**LIGHT: WAVE AND QUANTUM THEORIES (C)**

j-h 13½ minutes Color: \$4.80

This film clearly and simply demonstrates the accepted theory of light as consisting of both a wave motion, and of discrete bundles, or *quanta*, of energy. Young's double-slit experiment is performed to show the wave character of light, while the photoelectric effect indicates that light consists of energy quanta. The Compton effect and other major experiments associated with the present theory are shown in laboratory demonstrations and in animation.

**LIGHT WAVES AND THEIR USES (EB)**

j-h-e 11 minutes B&W: \$2.15

This elementary presentation of light includes a comprehensive explanation of the principles of reflection with plane, concave, and convex mirrors. Refraction is clearly revealed in connection with lenses and with special reference to the human eye. Principles and applications of interference are portrayed. Sequences on polar screen, the electromagnetic spectrum and quantum theory are shown. Animation is used extensively to visualize the otherwise intangible processes.

**LIGHTHOUSE, THE (EB)**

p-i 11 minutes Color: \$3.40

Tells the fascinating story of a young boy whose father is a lighthouse keeper. The lad listens to ship-to-shore radio messages and helps his father shine the lighthouse prism and take care of the power plant. He helps his father do the marketing and then collects driftwood along the shore.

**LIGHTS (FUDE)**

h-c-a 13 minutes B&W: \$2.60

Topics studied and explained include headlights for vision; signals and general safety; the application of high and low beams; tail and stop lights; turn indicators; and auxiliary lights for emergency needs. The daylight use of headlights is covered, as well as proper use in favorable and unfavorable weather.

**LIMA (UW)**

i-j-h-e 16 minutes B&W: \$2.15

The beauties of the City of Kings, the colonial capital of the Spanish empire in the western hemisphere. The rich historical background and the modern life of the city against the background of many beautifully preserved colonial palaces and buildings. Some modern problems of this transplanted old-world society are indicated.

**LIMESTONE CAVERNS (C)**

j-h-e 11 minutes Color: \$3.40

Illustrates formation and growth of stalactites, spattercones, helictites, and colites. Interesting facts about several well-known caverns are included.

**LINCOLN FIELD TRIP, A (IFB)**

j-h-e-a 10 minutes B&W: \$2.15

Visits historical Lincoln shrines in Illinois, the state where Lincoln spent most of his years. Field trips are made to the Chicago Historical Society, the reconstructed site at New Salem, Illinois, and the city of Springfield. Springfield's historical sites are explored and much Lincoln lore is explained. A visit to the interior of Lincoln's Springfield home is included.

**LINCOLN IN ILLINOIS (ISL)**

j-h-e-a 30 minutes Color: \$7.90

This film does an excellent job of surveying Lincoln's life from boyhood to assassination. You are shown, in color, where he lived and the highlights of his life in Illinois.

**LINCOLN IN THE WHITE HOUSE (TFC)**

i-j-h-a 22 minutes Color: \$5.65

A portion of Lincoln's life beginning with his first inaugural address. There are scenes of Lincoln's home life in the White House and finally a dramatization of the President speaking at Gettysburg. *Restricted to Classroom Use.*

**LINCOLN SPEAKS AT GETTYSBURG (AFF)**

j-h-e-a 11 minutes B&W: \$1.65

Briefly describes causes and major battles of the Civil War, and discusses events leading up to Lincoln's Gettysburg address. Uses contemporary drawings and paintings, some by Winslow Homer and Thomas Nast, as documentation. The Gettysburg address is presented.

**LINE (EB)**

p-i 6 minutes Color: \$2.15

Using photography and animation, the film points out to children variations in lines found on rocks, on the back of a tiger, and the trail lines made by a snail, and suggests the creative possibilities of thread, rope and wire.

**LINEAR ACCELERATOR, THE (McGH)**

h-e 13 minutes B&W: \$2.65

Introduces the theory of nuclear transmutations and the production of hard X-rays with laboratory-accelerated particles. It shows the development of equipment and techniques from the original Cockcroft and Walton experiments up to the most recent traveling wave linear accelerator—the design and underlying theory of which are described in detail.

**LINES AND ANGLES (KB)**

j-h-e 12 minutes B&W: \$2.15

Presents some of the mathematical applications of basic geometry. Shows the erection of a perpendicular and illustrates the relationship of the perpendicular to the ordinary plumb bob, level, and square. Shows how angles are formed and measured, and the relationship of angles to each other.

**LINK IN THE CHAIN (CH)**

h-e-a 32 minutes B&W: \$4.15

Shows the influence a teacher can have on the lives of students. Good film for teacher recruitment or in-service training.

**LION AND THE MOUSE, THE (C)**

p 11 minutes Color: \$3.60

Through an amusing cartoon interpretation of an Aesopian fable, children learn that size alone does not determine how helpful a person can be. We see the King of the Jungle, a lion, laugh at the idea that a tiny mouse could ever help him. But when a speck of dirt gets in the lion's eye, it is the little mouse who removes it and proves to be a helpful friend after all.

**LION HUNT, THE (UW)**

p-i 8 minutes B&W: \$1.70

Mischievous mouse sneaks up on a sleeping lion. The lion opens one eye and surprises the mouse. Meanwhile, lion hunters close in and the lion is in gag-filled trouble.

**LION TAMER, THE (SFL)**

general 9 minutes B&W: \$1.70

Enterprising Amos persuades Andy to try a hand at lion taming. The guaranteed lovable lion decides to assert himself as the King of the Jungle, and Andy proves to be a poor tamer.

**LION-TIGER FIGHT (UW)**

j-h-e-a 9 minutes B&W: \$1.70

Shows a fight to the finish, photographed in an East Indian jungle.

**LIONS AT HOME (McGH)**

p-i-a 11 minutes Color: \$3.65

Picture is filmed in Africa and shows the lion's hunting habits, his favorite prey, his enemies, and his family life.

**LIQUID AIR (AL)**

j-h-e-a 10 minutes B&W: \$2.15

A complex problem in chemistry is explained and demonstrated in simple experimental terms—the manufacture and uses of liquid air and other gases. We see how liquid air flows like water; the effect of pressure and temperature on form as iron is liquefied. Also illustrated are liquid oxygen and its uses; the manufacturing of nitrogen, neon, hydrogen and liquid helium at 269 degrees below centigrade zero—only four degrees above absolute zero.



**LIQUIDS IN MOTION (ELEMENTARY HYDRAULICS SERIES) (CAA)**

**h-c-a** 13 minutes **B&W: \$2.15**  
Reviews the principles of liquids at rest; defines and illustrates pressure energy and velocity energy; explains energy output in relation to resistance to flow; and illustrates the energy output variance with three different lengths of pipe.

**LISTEN WELL, LEARN WELL (C)**

**p-i** 10 minutes **B&W: \$2.15, Color: \$3.40**  
Listening like a "sponge," a "grasshopper," and a "turtle" are ways children in this film characterize their own listening habits as they play listening games. They learn how to pick out important sounds, how to keep listening to sounds, and how visualizing sounds helps to understand them.

**LISTENING TO GOOD MUSIC (STRING QUARTET) (EB)**

**j-h-a** 13 minutes **B&W: \$2.95**  
The Fine Arts Quartet illustrates the fundamentals of ensemble performance. Ranges and distinctive qualities of each instrument are identified, and then combined to show how the voices of the four instruments develop theme and mood.

**LISZT AND HIS MUSIC (C)**

**j-h** 13 minutes **B&W: \$2.80**  
A "prince of pianists," a great teacher, a champion of Romanticism—this was Franz Liszt, whose life and music are presented amid the European capitals in which he was composer and performer. Re-enactments of his life contribute to an understanding of the man and his music.

**LITERATURE APPRECIATION: ENGLISH LYRICS (C)**

**j-h-c** 10 minutes **B&W: \$2.15**  
Gives students a new means of appreciation and understanding of the works of Tennyson, Keats, Wordsworth, Shelly, Shakespeare, and other English poets. Presented here against the actual scenes as the poets saw them—the Shropshire country as Alfred Housman knew it; the surf at Dover Beach where Matthew Arnold walked; an English spring as Robert Browning dreamed of it from abroad.

**LITERATURE APPRECIATION: HOW TO READ ESSAYS (C)**

**j-h-c** 14 minutes **B&W: \$2.65, Color: \$3.90**  
Stresses the enjoyment to be found in reading and studying essays. Portrays Lamb, Emerson, Hunt, Addison, Thackeray, and Stevenson at work in their native surroundings.

**LITERATURE APPRECIATION: HOW TO READ NOVELS (C)**

**j-h-c** 14 minutes **B&W: \$2.65**  
Encourages high school students to find out about the author, to study characterizations, and to visualize the setting and action in order to gain pleasure in novel reading and to give better oral and written book reports. Studies several aspects of the process of reading a novel.

**LITERATURE APPRECIATION: HOW TO READ PLAYS (C)**

**j-h-c** 10 minutes **B&W: \$2.15**  
Offers suggestions on the problems of reading a play so that the reader can grasp the visual, aural, and dramatic content of a play from the bare outlines provided in a book.

**LITERATURE APPRECIATION: HOW TO READ POETRY (C)**

**j-h-c** 10 minutes **B&W: \$2.15, Color: \$3.40**  
In this film students will discover that understanding the poet, looking for experiences the poet is sharing, and recognizing word devices used to convey the experiences will increase their pleasure in reading poetry.

**LITERATURE APPRECIATION: STORIES (C)**

**j-h-c** 14 minutes **B&W: \$2.65**  
Will increase the interest of students in the appreciation and enjoyment of great literature. They will learn how to approach stories for a better understanding, how to interpret various types of stories, and how to develop an appreciation of fine stories.

**LITHOGRAPHY (IFB)**

**h-c-a** 14 minutes **B&W: \$3.45**  
A demonstration performed by Marion Witt Wexler, lithographer and teacher of design at the School of the Art Institute of Chicago, presents the successive steps in the production of a lithograph.

**LITTLE ANIMALS (DPP)**

**p-i** 11 minutes **Color: \$3.60**  
Introduces basic concepts of the size of animals and the senses they use. Children discover insects and other very small animals in the yard and learn that all are animals because they can move about, eat, and are sensitive to touch. Small animals are also found in pond and sea water and some that can be observed only through a microscope are shown.

**LITTLE BLACK LAMB (EB)**

**p-i** 12 minutes **Color: \$3.40**  
Mary and a pet lamb have a series of adventures. The little lamb becomes lost, and the school pet show is an unhappy affair until the mailman finds the lamb.

**LITTLE BLACK SAMBO (UW)**

**p-i** 9 minutes **Color: \$2.55**  
Sambo plays with a painted dog, striped like a tiger. The real tiger appears but Sambo is fooled. This film is a laugh riot of suspense with a surprising ending.

**LITTLE DIOMEDE (NOR)**

**general** 19 minutes **Color: \$4.90**  
Life of the Eskimos living on Little Diomed Island in Bering Strait between Alaska and Siberia: their activities are much the same as for centuries past, modified by modern aids. Describes geography, plant and animal life, climate and rugged environment.

**LITTLE FUGUE IN G MINOR (TFC)**

**j-h-c-a** 5 minutes **B&W: \$1.50**  
Leopold Stokowski leads the Philadelphia Symphony Orchestra in an excerpt from THE BIG BROADCAST of 1937. The hymn, *A Mighty Fortress Is Our God*, is a prelude to the fugue. Superimposed titles identify the instruments of the orchestra. *Restricted to Classroom Use.*

**LITTLE GREY NECK (SS)**

**p-i** 18 minutes **B&W: \$2.15**  
Tells the story of a little duck who suffers a broken wing while defending her rabbit friend. Consequently she is unable to leave the north country with her family. Her adventures in evading the villain fox and trying to fly again with the help of her forest friends present a most interesting and warm story.

**LITTLE INDIAN WEAVER, THE (SILENT) (FOC)**

**p-i** 15 minutes **B&W: \$1.50**  
Bah lives on a Navajo Indian reservation in California and learns from her mother the art of weaving. She wants the doll of a white child, but her mother tells her she should weave a blanket to exchange for the doll at the trading post. Although the trader refuses to take the blanket, the trader's son buys the doll for Bah with his savings. After this act of kindness, the Navajos accept the white boy as their friend and teach him many interesting customs.

**LITTLE PHANTASY, A (NFBC)**

**j-h-a** 4 minutes **B&W: \$1.50**  
An animated film based on the 19th century painting "Isle of the Dead." The mood of the original painting is developed in light and movement.

**LITTLE RED HEN, THE (UW)**

**p-i** 6 minutes **B&W: \$1.70**  
The Red Hen asks a pig, duck, and mouse to help her grow wheat and bake bread. They all refuse her, and later they have to go hungry.

**LITTLE RED HEN (BACKGROUND FOR READING AND EXPRESSION) (C)**

**p** 9 minutes **Color: \$3.40**  
This famous fable is a charming combination of art and live action. The technique is unique, but to the teacher the value of the film lies in the common class experience it offers.



**LITTLE RED RIDING HOOD (EB)**

**p** 11 minutes Color: \$3.40  
An up-to-date version of the old fairy tale. The modern setting with telephone, gas range, and piano makes a delightful and interesting change. Told with hand puppets and well-executed sound track.

**LITTLE SMOKEY (UW)**

**p-i** 15 minutes Color: \$3.40  
A bear cub, found after a forest fire, is taken to the zoo. Stresses importance of forest fire prevention.

**LITTLEST ANGEL, THE (C)**

**general** 15 minutes B&W: \$3.65, Color: \$5.15  
To the gates of Heaven came a small and very lonely little angel who, though he tried hard to look and act like a good little angel should, just couldn't seem to stay out of trouble. Then, one day, the kindly old Understanding Angel granted the Littlest Angel's wish. From that day, the cherub's conduct and appearance were above reproach. When Jesus was born, the gift of the Littlest Angel was chosen by God to shine as an inspiration for all men.

**LITTLEST GIANT (SUTH)**

**a** 14 minutes Color: \$2.15  
Animation shows the role of the consumer as the world's most productive worker, with the greatest purchasing power. Explains the origin and present-day workings of credit companies, the law regarding such practices, and what the use of consumer credit means in terms of a higher standard of living for all Americans.

**LITTLEST PUPPY GROWS UP (F)**

**i** 12 minutes Color: \$3.40  
Stresses care and early training of a puppy from a week until three months old. The Dowell boys learn to be patient in training the pup.

**LIVE AND LEARN (SD)**

**p-i-j** 11 minutes B&W: \$2.15  
Intended for children ages 5-14. Illustrates that the accidents that happen at home and at play can be avoided by taking time to think.

**LIVE TEDDY BEARS (EB)**

**p-i** 11 minutes B&W: \$2.15  
A "koala" bear closely resembles the teddy bear. Habits, characteristics, and habitat of the "koala" bear explained for primary and elementary students.

**LIVING AND GROWING (CW)**

**p-i** 10 minutes B&W: \$2.35  
Beano and Wendy watch a litter of newly born rabbits grow rapidly into sturdy young rabbits as they eat and sleep and hop about in their sheltered home. They learn that children need the same things for living and growing that young rabbits do: shelter, good food, plenty of rest.

**LIVING AND NON-LIVING THINGS (C)**

**p-i** 10 minutes B&W: \$2.25  
A boy discovers the five basic differences between living and non-living things. Examples are a dog, fish, plants, clouds, and rocks.

**LIVING AND NON-LIVING THINGS (UW)**

**h-e-a** 11 minutes B&W: \$2.15  
Defines both living and non-living things. Shows how living things use oxygen and food and reproduce; whereas the non-living things are not sensitive, do not reproduce, and have no organs or systems. Characteristics of life are illustrated in chicken (animal) and runner bean (plant).

**LIVING BIRD, THE (DFP)**

**j-h** 14 minutes Color: \$4.50  
Develops understandings of the bird as a living creature. Compares the bird's metabolism with that of man, showing how birds have developed an efficient biological machine capable of flight. The senses of sight, smell and hearing are examined, and the adaptations of bills to the types of food eaten are dem-

onstrated. The courtship of birds is illustrated, and the little known story of the relationship of nesting territory to the songs of birds is clearly described.

**LIVING CITY, THE (EB)**

**h-c-a** 24 minutes B&W: \$4.90  
Americans are shown what they can do to improve their cities. Suggests that outworn neighborhoods must be replaced to improve cities.

**LIVING DANGEROUSLY (UW)**

**j-h-c-a** 9 minutes B&W: \$1.70  
Presents a variety of stunts performed by professional daredevils.

**LIVING IN A METROPOLIS—METROPOLITAN NEW YORK (UW)**

**j-h-c-a** 19 minutes B&W: \$4.15  
Huge cities, commonly referred to as metropolises, have grown up in the last century as trading, transportation, and manufacturing centers. The fact that in New York City millions of people of different cultural and racial backgrounds live together in peace, all eventually becoming Americans, makes this an exceptionally engrossing film story.

**LIVING MAMMAL, THE (IFB)**

**j-h** 17 minutes Color: \$6.25  
The film defines mammals in biological terms by showing characteristics held in common by all mammals. Ways in which mammals have adapted themselves to their environments in the air, water, and on the ground are observed. Adaptations of the teeth and the senses are used in various examples to illustrate the way demands for food and protection have affected certain mammals. Interesting scenes include a skunk protecting himself, a life struggle between bison bulls, and inside of an opossum's pouch.

**LIVING PAST #1, THE (FCE)**

**j-h-e-a** 15 minutes B&W: \$3.90  
McKinley-Bryan campaign; two future kings of England; Edison and the birth of the movies; Fifth Avenue in 1896; steam operated elevated; Market Street in San Francisco; inauguration of McKinley; retiring President Grover Cleveland; field artillery; Rough Riders leave for Cuba; a new era is born; early automobiles (1900); Columbus Circle and Fifth Avenue in 1900.

**LIVING PAST #2, THE (FCE)**

**j-h-c-a** 15 minutes B&W: \$3.90  
Early days of the horseless carriage; Columbus Circle and Fifth Avenue in 1900; Spanish American War battle scenes; Duke of Windsor as a child; return of the Spanish War veterans; Dewey's flagship; Coney Island; Death of President McKinley; Theodore Roosevelt takes the oath of office; Justice Holmes.

**LIVING PAST #3, THE (FCE)**

**j-h-c-a** 15 minutes B&W: \$3.90  
President Theodore Roosevelt; the changing scenes; New York's finest (police); Lower Manhattan in 1901; Chicago in 1901; the Venezuela crisis; the American Navy under Roosevelt; a modern factory (1904); opening of the New York subway; a nickelodeon classic from France; the Presidential campaign of 1904; inauguration of Roosevelt in 1905; Rough Riders; Roosevelt's conservation policies.

**LIVING PAST #4, THE (FCE)**

**j-h-c-a** 11 minutes B&W: \$2.65  
The Bennett Cup Race in 1905; Roosevelt visits San Francisco; the Gans-Nelson fight; a nickelodeon movie from France; the San Francisco earthquake.

**LIVING PAST #5, THE (FCE)**

**j-h-c-a** 15 minutes B&W: \$3.90  
The U.S. fleet; "T. R." and the Big Stick Policy; the American railroads; the Monorail; Sarah Bernhardt; Buffalo Bill Cody; James J. Corbett; fire fighters of 1905; Buster Brown and his pranks; William Jennings Bryan.

**LIVING PAST #6, THE (FCE)**

**j-h-c-a** 15 minutes B&W: \$3.90  
Wilbur and Orville Wright fly at Le Mans, France; King Edward VIII of England; an early American cowboy movie; the building of the Panama Canal.



**LIVING PAST #7, THE (FCE)**

j-h-c-a 15 minutes B&W: \$3.90  
 President William Howard Taft, Speaker Joe Cannon, Alice Roosevelt Longworth and other notables observe Wilbur and Orville Wright make a test flight for the U.S. Army; Moscow and the Kremlin; Czar Nicholas and his family; Eskimos; the first movie cartoon (imported from France).

**LIVING PLANT (VF)**

j-h-c-a 9 minutes B&W: \$2.15  
 Time lapse scenes showing growth habits of several plants such as the sweet pea. Shows how plants compete for sunlight. Ends with time lapse blossom shots.

**LIVING WATER SERIES: NATURE'S PLAN, PART I (EB)**

j-h 14 minutes Color: \$5.15  
 Presents the principles and the importance of the natural water-cycle: the continuous moving of water from ocean to air, from air to earth, and from earth back again to the sea.

**LIVING WATER SERIES: MAN'S PROBLEM, PART II (EB)**

j-h 19 minutes Color: \$5.65  
 Shows efforts made by man to obtain systems of fresh water supply, including building dams, control of rivers, and purification of water.

**LIVING WITH THE ATOM (MIS)**

h-c-a 28 minutes Color: \$8.30  
 A startlingly different approach to the atomic bomb problem. Featured are exclusive photographs of equipment used in atomic research, and demonstrations of the tremendous energies within every tiny particle of matter which man has learned to release. Includes the hydrogen bomb and many up-to-date atomic developments.

**LOAN STRANGER (UW)**

p-i 7 minutes B&W: \$1.70  
 Woody Woodpecker out-foxes Mr. Fox, the money lender, but the fox haunts Woody's house. Through wild gags with foxy efforts to collect from Woody, Mr. Fox is again outsmarted. Woody is finally beamed with a cuckoo clock in a smash ending.

**LOBSTERTOWN (IFI)**

i-j-h 19 minutes B&W: \$3.65  
 Documentation of a way of life in a small lobster fishing town in Corea, Maine. The film shows the actual work in making and tending traps, sorting the catch, etc., as well as the home and social life of the people of this small community.

**LOCAL 100 (NFBC)**

h-c-a 31 minutes B&W: \$5.15  
 This is the story of how Local 100 was formed, including the approach to the national union, the assistance given by an organizer from union headquarters, and the signing up of the workers which resulted in Local 100 being declared the legal bargaining authority.

**LOCKS OF SAULT STE MARIE, THE (UMI)**

general 33 minutes B&W: \$5.15  
 Depicts the discovery of the rapids of the St. Mary's River and how these rapids barred use of the resources of the Lake Superior area. Tells how Charles Harvey developed the first lock and how, subsequently, they were used on the St. Mary's. Miniature working models illustrate operation of the locks.

**LOCOMOTION OF SNAKES (McGH)**

general 12 minutes Color: \$3.40  
 Illustrates four basic methods of locomotion: the rectilinear or caterpillar motion, lateral undulatory or serpentine motion, the side-winding motion, and the "hitch and hike" or "concertina" method.

**LOCUS (KB)**

h-c 11 minutes B&W: \$2.15  
 Visualizes and explains the entire concept of locus in geometry.

**LONDON (THIS WORLD OF OURS SERIES) (IFI)**

i-j-h 9 minutes Color: \$2.65  
 Travels through Mayfair, Regent Park, Piccadilly, and shows the houses of Parliament, Westminster Abbey, the Thames and St. Paul's Cathedral.

**LONDON, CITY OF TRADITION (TFC)**

j-h-c 9 minutes B&W: \$1.65  
 Symbols of English tradition with a commentary which gives additional value by presenting historical facts and identifying characters of history with these old landmarks. *Restricted to Classroom Use.*

**LONE STAR ROUNDUP (McGH)**

j-h-c-a 15 minutes B&W: \$3.65  
 Life and activities, the scientific methods, and quarters and conveniences on a modern "industrial" cattle ranch; the Flat Top Ranch in Bosque County, Texas.

**LONG JOURNEY WEST: 1820 (IU)**

i-j 15 minutes Color: \$5.65  
 Relates through the narration of a boy's diary and folk music a family's thousand mile trip in 1820 from Massachusetts to Illinois, concluding with their arrival and settlement.

**LONG ROAD, THE (ETC)**

h-c 20 minutes B&W: \$2.15  
 Tells the story of Kettering, Midgley and Boyd and their search for a way to eliminate fuel knock. First public test of their discovery at the Indianapolis speed classic. A nontechnical discussion of how motors have decreased in size while giving more horsepower as a result of improvement in the anti-knock quality of gasoline.

**LONG TIME TO GROW, A, PART I: TWO- AND THREE-YEAR-OLDS IN NURSERY SCHOOL (NYU)**

c-a 37 minutes B&W: \$6.10  
 Produced by the Department of Child Study at Vassar College. Concerns with 2- and 3-year-old children in a nursery school. Shows their learning behavior and activities through the day and various seasons of the year.

**LONG TIME TO GROW, A, PART II: FOUR- AND FIVE-YEAR-OLDS IN SCHOOL (NYU)**

c-a 39 minutes B&W: \$6.10  
 Shows children ages 4 and 5 at work and play at the Vassar College Nursery School and the Poughkeepsie Day School.

**LONG TIME TO GROW, A, PART III: SIX-, SEVEN-, AND EIGHT-YEAR-OLDS—SOCIETY OF CHILDREN (NYU)**

c-a 30 minutes B&W: \$5.35  
 Activities characteristic of children 6 to 8 years old. Depicts their rituals, traditions, magic and customs inherited from previous generations. Emphasizes strong allegiance to peer groups. Illustrates the acquisition of skills and knowledge necessary for later stages of development.

**LONGFELLOW AND LOWELL (MORT)**

j-h-c-a 13 minutes Color: \$3.00  
 Landmarks in New England reminiscent of these two American authors including: the Portland birthplace and later home of Longfellow, Bowdoin College, Harvard's University Hall, the Craigie or Longfellow House in Cambridge (many interior shots), the site of "The Village Blacksmith," "Wayside Inn," the Old North Church, Lowell's "Elmwood," and the graves of both authors at Mount Auburn.

**LONGHOUSE PEOPLE (EB)**

i-j-h 22 minutes Color: \$6.15  
 Everyday life and rituals of a non-Christian Canadian Iroquois community. Authentic dances and religious ceremonies which are still practiced by members of a tribe which once ruled the eastern half of North America. The Rain Dance, the Corn Dance, False Face Ritual, and a dance for the condolence of a dead chief and the installation of a new one.

**LONGSHOREMAN, THE (F)**

i-j 17 minutes Color: \$3.20  
 Typical life of a longshoreman—personality, work, home life, and social contacts. Al Huber works with his union, union boss, employer, and fellow workers. A detailed account of a typical day loading a freighter is given.

**LOOK AT SOVIET AGRICULTURE, A (USDA)**

j-h-c-a 18 minutes Color: \$2.15  
 A film report of a visit to the USSR by the Agricultural Economics Delegation of the USDA. The delegates traveled more than 12,000 miles within Soviet Russia to see farms, research stations and other agricultural enterprises in ten major farming



regions. The areas included in this film are the Crimea, Ukraine, Uzbekistan, West Siberia, and the northwest region near Lenin-grad. Also shows the delegates visiting the All-Union Agricultural and Industrial Exhibit in Moscow.

### LOOK IT UP (C)

j-h 10 minutes B&W: \$2.15

A high school boy demonstrates that the dictionary habit can be incorporated into study procedures of reading, writing, and oral report preparation. Suggests the wealth of materials in the dictionary which makes it the "first reference book" and source of information on spelling, pronunciation, and meaning.

### LOOK TO THE LAND (EB)

h-c-a 20 minutes B&W: \$4.15

A forceful reminder of our ultimate dependence on the resources of America's land, forests, and rivers. It shows the tragic consequences of our negligence of these resources. It also proposes programs for redevelopment.

### LOOKING FOR THE ANSWERS (McGH)

j-h-c-a 10 minutes Color: \$3.40

Observes the behavior of a number of different animals, focusing attention on their food, play, aggressive behavior, and reactions to visual stimuli.

### LOOKING THROUGH GLASS (BIS)

j-h-c-a 18 minutes B&W: \$3.15

Depicts the manufacture of glass in one of Britain's factories where the craftsman still applies his art alongside modern mass-production methods. A sequence is devoted to the Department of Glass Technology at Sheffield University.

### LOOM WEAVING (CREATIVE HANDS SERIES) (IFB)

general 7 minutes Color: \$2.40

The art teacher and the manual training teacher cooperate here to help students build a simple loom out of an old broom and a few pieces of wood. Also shows how to thread the warp threads through the needle, how to wind and use the bobbin, and the proper use of different threads like wool, cotton or cellophane in making such varied objects as scarfs, bags, and mats.

### LOOM WEAVING (BRF)

j-h-c-a 6 minutes B&W: \$1.65

A girl student threads a small loom and, following a weaving draft, goes through the entire process of weaving a pattern.

### LOON'S NECKLACE, THE (EB)

i-j-h 10 minutes Color: \$3.40

The Indian legend of how the loon, a water bird, received his distinguished neckband. Ceremonial masks, from the National Museum of Canada, carved by Indians of British Columbia, establish the characters of the story and portray the Indians' sensitivity to the moods of nature.

### LOOPS (NFBC)

general 4 minutes Color: \$1.65

An experimental film by Norman McLaren in which sound and visuals are drawn directly on the film. To strange, fantastic sounds, loops of red and white merge, separate, and perform strange convolutions on a blue background.

### LORAN—AIRBORNE OPERATIONS (CAA)

c 22 minutes B&W: \$2.15

Studies the peculiarities of Loran patterns as they appear under actual operation. Sets down the procedure for installing, aligning, and operating the gear.

### LORAN—BASIC PRINCIPLES OF LORAN OPERATION (CAA)

h-c 12 minutes B&W: \$2.15

Notes radio activity in the ionosphere, and the qualities of sky and ground waves. Examines the basic principles of Loran operation. Studies the relevant relation of Loran master and slave stations. The master sends out the first impulse, the slave station follows; from these points the navigator can plot a fix.

### LORD'S PRAYER, THE (UW)

general 4 minutes B&W: \$1.50

The *Lord's Prayer* is sung by the U.S. Air Force's Singing Sergeants. The film is suitable for any type of audience.

### LOS TRES OSOS (FA)

j-h-c-a 14 minutes B&W: \$3.15

The story of The Three Bears is presented with a simple Spanish language sound track. Because every child is familiar with the story, his attention can be directed to the new language he hears. Every noun, adjective, and verb is visualized by the appropriate object or action on the screen.

### LOST BATTALION, THE (YOU ARE THERE) (CBS)

j-h-c-a 27 minutes B&W: \$5.65

The rescue of the American 77th Division, the "Lost Battalion" by American troops produced one of the greatest hero stories of the First World War. This battalion had become encircled by the Germans in the Battle of the Argonne, and the situation looked hopeless until this brave American force broke out of the trap with the help of another American army.

### LOST CHICK, THE (TFC)

p-i 11 minutes Color: \$2.65

Adventures of two squirrels, their brothers and sisters, and a mother hen and her chicks in a story of reciprocal kindness. *Restricted to Classroom Use.*

### LOST SHEEP (RFA)

p-i-j 14 minutes B&W: \$3.75

This is the parable of Jesus enacted by puppets which were designed by Mabel Beaton.

### LOST WORLD, A (EB)

i 10 minutes B&W: \$1.65

A stirring dramatization of A. Conan Doyle's famous story. Modern adventurers stumble into a world that forgot—a world of dinosaurs and prehistoric monsters believed extinct for a million years. Gargantuan creatures battle to the death in this gripping adventure.

### LOU GEHRIG'S GREATEST DAY (YOU ARE THERE) (CBS)

j-h-c-a 27 minutes B&W: \$5.65

Although Lou Gehrig, himself, had created some memorable experiences in his time as a great baseball player, it was the public who gave him his greatest thrill with their day of appreciation to this man who was to leave the job he loved best because of an incurable illness.

### LOUIS PASTEUR, THE BENEFactor (PF)

j-h-c-a 16 minutes B&W: \$3.50

Portrayed by the famous French actor, Sacha Guitry, we follow Pasteur's career through his struggles against the prejudices of organized medicine, his experiments in fermentation, anthrax, and the first rabies treatment of a boy bitten by a mad dog.

### LOUIS PASTEUR—MAN OF SCIENCE (SF)

j-h-c-a 30 minutes B&W: \$4.65

Louis Pasteur's scientific activities and discoveries from 1856 to 1895 in the fields of chemistry and microbiology relating to pasteurization, silkworm diseases, the use of antiseptics, puerperal fever, streptococcus, staphylococcus, chicken cholera, and rabies.

### LOUISA MAY ALCOTT (EB)

j-h 17 minutes B&W: \$4.15

Life of one of America's great popular women writers. Reveals her complete devotion to her family in assuming full responsibility for its support. Describes her service as a nurse in the Civil War and mentions her aiding national reform and improvement measures. Emphasizes her success as a writer of human interest stories, with special attention to *Little Women*, *Little Men*, and *Jo's Boys*.

### LOUISIANA PURCHASE—KEY TO A CONTINENT (EB)

i-j-h 16 minutes B&W: \$3.65

Presents the story of Jefferson's purchase of the Louisiana territory—one of the most decisive events in the westward expansion of the United States. Reconstructs in a series of dramatic episodes the circumstances pressing the acquisition of the port of New Orleans and the developments in France that caused Napoleon to sell the territory.

### LOVE THAT BEAUTY (McGH)

h-c-a 17 minutes B&W: \$3.65

Shows what is done in beauty parlors to beautify the American woman as well as to reduce her weight.



**LOWER DEPTHS, THE (BRF)**

**h-c-a** 19 minutes **B&W: \$3.65**  
 A Russian language film with English titles. Scenes from Maxim Gorki's play featuring V. I. Kachalov as the baron.

**LOWLANDS OF SCOTLAND (BIS)**

**h-c-a** 13 minutes **B&W: \$2.65**  
 Geography and sociology of the lowlands of Scotland which stretch from Glasgow to Edinburgh. The people and their ways of life, the land and its use and description are shown.

**LUBRICATING OIL'S AMAZING MOLECULES (STD)**

**h-c-a** 22 minutes **Color: \$2.15**  
 How lubricating oil is made and refined, using the latest types of equipment and processes. The new additives are shown which are being used to increase oil's performance abilities in order to meet special needs.

**LUBRICATION (USBM)**

**h-c** 30 minutes **B&W: \$2.15**  
 A theory of friction and practical application of lubricants to mechanical elements connected with our everyday life. Discusses when the various types of oil should be used. Lubrication affects our lives in reducing work, wear, and waste, and in conservation of materials.

**LUCIA DI LAMMERMOOR (OF)**

**h-c-a** 22 minutes **B&W: \$4.15**  
 The story of the tragic love of Edgar and Lucia, as composed by Donizetti and sung by Milan's La Scala Opera Company. Highlights: "Sextette" and Lucia's "Mad Scene."

**LUCITE CARVING (G) (SILENT)**

**j-h-c-a** 20 minutes **B&W: \$1.65**  
 A new medium offering exciting possibilities. Features Domenico di Mortellito, foremost lucite artist.

**LUFTWAFFE (AIR POWER SERIES) (CBS)**

**h-c-a** 28 minutes **B&W: \$5.65**  
 This dramatic and terrifying story of the rise of the Nazi air force, told for the most part from captured German films, reveals how the powerful German Air Force was secretly created prior to 1939 and the part it played in the Spanish Civil War and in the beginnings of World War II.

**LUGANO (YA)**

**i-j-h-a** 14 minutes **B&W: \$2.40, Color: \$3.90**  
 Life and architecture of the city of Lugano, Switzerland; a boat trip over Lake Lugano; a ride on the funicular to the top of Mount San Salvatore.

**LUMBER FOR HOUSES (EB)**

**i-j** 12 minutes **Color: \$3.65**  
 Tells the story of lumber—from trees to sawmill. Illustrates up-to-date methods of lumbering operations, particularly in forests of the Northwest. Portrays the operations of felling trees, moving the logs to the sawmill, sawing, planing, and drying.

**LUMBERMAN, THE (F)**

**i-j-h-c-a** 22 minutes **Color: \$5.40**  
 Contrasts the age-old method of felling trees with an ax or hand saw to the present-day use of the power saw. Logs are hauled to the mill by truck or are floated downstream. Safety of the men is emphasized.

**LUMBER STATES (U.S.A.—PACIFIC NORTHWEST) (UW)**

**i-j-h** 22 minutes **B&W: \$4.15**  
 The Pacific Northwest has the finest forests of our country. We learn how the people work in this lumbering section, safeguard forests to prevent this rich lumber supply from becoming exhausted. How young people are taught to prevent forest fires and to keep young trees growing to replace those that are cut down. Washington and Oregon are prosperous because of rich natural resources of water power, fisheries, farmlands and forests. New industries move into the Pacific Northwest because of abundant cheap electricity.

**MacARTHUR STORY, THE (McGH)**

**j-h-c-a** 17 minutes **B&W: \$3.65**  
 General MacArthur's long career. Scenes of his service in France in World War I, as Chief of Staff, as Allied Commander in the Pacific after Pearl Harbor, and as U.N. Commander.

**MACBETH (BIS)**

**j-h-c-a** 17 minutes **B&W: \$3.15**  
 Professionally staged and acted with attention to costume and set detail; Act II, Scene 2, the Murder of King Duncan and Act V, Scene 1, Lady Macbeth's Sleep-Walking.

**MACBETH (ACT II, SCENE 2) (UW)**

**j-h-c-a** 13 minutes **B&W: \$2.80**  
 Intrigue, murder, tragedy as only Shakespeare can portray it through the story of a man's insatiable desire for power, even to the point of destroying those he loved. Performed by the Old Vic Repertory Company.

**MACHINE MAKER (EB)**

**j-h-c** 11 minutes **B&W: \$2.15**  
 Depicts the role of a machine tool maker in an age of technology. Shows the importance of the machine tool in a representative mass production enterprise, the automobile industry, and suggests the wide range of its other industrial uses. Describes the work of the six basic machine tools: lathe, milling machine, drilling machine, grinder, boring mill, and planer.

**MACHINE: MASTER OR SLAVE (NYU)**

**h-c-a** 17 minutes **B&W: \$3.15**  
 The questions raised by the increasing efficiency of machines in relation to employment and economic adjustment—conflict of industrial self-interest with long term needs of employees and consumers. Attempts to explore the problem rather than reaching definite conclusions.

**MACHINE TRANSCRIPTION—MACHINE OPERATIONS (UW)**

**h-c** 14 minutes **B&W: \$2.65**  
 The parts of the dictating and transcribing machines and their proper use are explained. Resurfacing of wax cylinders on the shaving machine is demonstrated.

**MACHINE TRANSCRIPTION—TRANSCRIPTION TECHNIQUE (UW)**

**h-c-a** 19 minutes **B&W: \$2.65**  
 How dictation should be phrased by the beginner, by the transcriptionist with some experience, and by the expert. Emphasis on such important points as the modulation and pitch of the dictator's voice and intelligent use of the controls.

**MACHINES (PRIMARY SCIENCE) (GA)**

**p-i** 10 minutes **B&W: \$2.15**  
 Examples of simple machines and how they help to lighten man's work are shown—the wheel and axle, the lever, the inclined plane, the pulley, the wedge, and the screw.

**MACHINES DO WORK (McGH)**

**i-j** 11 minutes **B&W: \$2.15**  
 Introduces the concept of simple machines, the lever, the inclined plane, the pulley, and the wheel and axle. Shows how machines help make our everyday life easier.

**MACHINES HELP US (BFS)**

**i-j** 11 minutes **B&W: \$2.35**  
 Film points out that machines are tools that help us do work; that new machines usually are developed from older ones; and that almost everything we use is made by machines. It develops the thesis that in many ways we live in a machine-made world where machines are servants which help to raise our standard of living.

**MACHINES THAT HELP THE FARMER (FA)**

**i-j** 11 minutes **Color: \$3.40**  
 Two children use garden tools for preparation, planting, cultivating, and harvesting. They discover a farmer does the same things on a large scale and uses different tools.

**MACHINES THAT MOVE EARTH (FA)**

**p-i-j** 16 minutes **B&W: \$3.15**  
 Major kinds of earth-moving machines—drag buckets, power shovels, dump trucks, and bulldozers.

**MACHINING A CAST IRON RECTANGULAR BLOCK (UW)**

**h-c-a** 29 minutes **B&W: \$2.15**  
 Shows how to set the shaper ram stroke; adjust the shaper table, vise, vertical feed, head feed, and cross-feed; and set up a rectangular cast iron block and machine all six sides to dimensions and square with each other.



**MACHINING A TOOL STEEL V BLOCK (USOE)**

h-c 19 minutes B&amp;W: \$2.65

Demonstrates how to lay out work for machining on a shaper; set up and position the ram stroke; and machine V grooves and rectangular slots.

**MACHINIST AND TOOLMAKER (VGF)**

h-c 10 minutes B&amp;W: \$2.15

Demonstrates the five ways of machining metals; employing the engine lathe, drill press, milling machine, planer and grinder. Beginning workers are shown working on a production line, operating either automatic or semi-automatic machines. As they advance, they become foremen, setup and maintenance men. The knowledge and training needed to hold one of these jobs is explained.

**MADAME CURIE (TFC)**

j-h-c-a 22 minutes B&amp;W: \$3.15

Story of the discovery of radium. Traces the work of the Curies in separating radium from pitchblende. Shows the scientific method and processes involved. *Restricted to Classroom Use.*

**MADISON SQUARE GARDEN (McGH)**

j-h-c-a 17 minutes B&amp;W: \$3.65

Shows the behind-the-scenes activities of the more than 500 employees responsible for the administration and maintenance of this large sports arena. Shows particularly the work of the trained men who change the floor surface for different events.

**MADRID (SPANISH LANGUAGE FILM READER SERIES) (IFB)**

h-c 11 minutes Color: \$3.40

A field trip to the capital of Spain with its palaces and monuments, artistic treasures and modern colorful life. Narration restricted to Keniston's "Standard List of Spanish Words and Idioms."

**MAESTRO FRANZ LISZT AT WEIMAR (TFC)**

i-j-h-c-a 10 minutes Color: \$3.40

Illustrates Liszt's devotion to music in his sponsorship of Richard Wagner's works, as well as the influences on his own life and compositions. Provides a background for music appreciation through a dramatization of events in the life of Franz Liszt as Hofcapellmeister at Weimar. *Restricted to Classroom Use.*

**MAGAZINE TO TRANSPARENCIES (FSU)**

c-a 11 minutes Color: \$3.20

Demonstrates the process of making slides from magazine illustrations. An excellent film for in-service audio-visual training classes.

**MAGIC ALPHABET (TFC)**

j-h-c 11 minutes B&amp;W: \$1.65

Tells the story of a cure for beriberi by Dr. Christian Eijkman's discovery of Vitamin B<sub>1</sub>. Reviews the discovery of other vitamins and their purposes. Stresses the importance of sufficient vitamin intake necessary to maintain good health. *Restricted to Classroom Use.*

**MAGIC FEATHER, THE (SF)**

p 11 minutes Color: \$2.40

A poor old man befriends a weary stork. In return the man receives a fortune in gold. When Akmed, the Greedy One, hears of this, he tries to trick the stork into giving him gold also but receives a much different surprise.

**MAGIC FOREST, THE (SF)**

p-i 7 minutes B&amp;W: \$1.65

A rooster, a cat, and a goat come to the Magic Forest to seek treasure. They do not know that this treasure is happiness. Three men also are seeking the treasure. The six treasure seekers frighten each other and leave without the treasure of happiness.

**MAGIC IN AGRICULTURE (ETC)**

h-c-a 27 minutes B&amp;W: \$2.15

The story of farm chemurgy. Describes the industrial uses for new crops and the more profitable utilization of present crops and their waste by-products. Emphasizes the place of the scientist in the farm chemurgy team.

**MAGIC OF SULPHUR (USBM)**

j-h 28 minutes Color: \$2.15

This film covers the history, production, chemistry and the everyday uses of sulphur. This is a new version of the film "Sulphur."

**MAGIC PENCIL (GANDY GOOSE) (UW)**

p-i-j 7 minutes B&amp;W: \$1.70

When a villain abducts the sweetheart of Gandy's cat pal, he gets a chance to try his magic pencil. There is plenty of trouble for the villain and laughs galore as Gandy works its magic.

**MAGIC TOUCH, THE—IMMUNIZATION (AVF)**

p-i 9 minutes Color: \$3.15

Three children learn how immunization protects the body against disease with only slight discomfort for the benefits received.

**MAGICIANS OF INDIA (OF)**

j-h-c-a 9 minutes B&amp;W: \$1.70

Shows a series of strange feats performed by the fakirs or magicians of India. Also includes the Indian version of the shell game, a snake charmer, a trained goat, and a man who lifts a stone with his eyelids.

**MAGNA CARTA PART I: RISE OF THE ENGLISH MONARCHY (EB)**

h-c 17 minutes Color: \$5.60

Traces the history of England from the Norman invasion in 1066 to the crowning of King John in 1199. The background of feudalism—against which the drama of English kings and barons was played—sets the scene for the famous meeting at Runnymede.

**MAGNA CARTA PART II: REVOLT OF THE NOBLES AND THE SIGNING OF THE CHARTER (EB)**

h-c 17 minutes Color: \$5.60

Dramatizes the events after the crowing of John which brought the conflict between kings and barons to a climax and resulted in the drafting of one of the most important documents of the English-speaking world: Magna Carta.

**MAGNETIC EFFECTS OF ELECTRICITY (EB) (SILENT)**

j-h-c 14 minutes B&amp;W: \$1.65

Includes magnetism and magnetic induction with their applications to the electromagnet, the electric bell, the ammeter, the voltmeter, and the motor. Also includes the theory of permanent magnetism and an explanation of terrestrial magnetism.

**MAGNETIC FORCE (PLANET EARTH SERIES) (McGH)**

j-h 30 minutes Color: \$7.00

The nature of the earth's magnetic field is explained, beginning with early speculations. The magnetic field within the earth and that existing in space are described. The film shows how the magnetic field controls the path of cosmic ray particles and controls other charged particles that make up the aurora.

**MAGNETIC RECORDER, THE: USES AND OPERATION (ISU)**

h-c-a 18 minutes B&amp;W: \$3.65

Opens with a variety of ways in which the magnetic recorder can be used in schools, churches and industry. Demonstrates methods of recording and erasing sound from magnetic tape, and depicts characteristics of a tape recording machine. Shows how to select equipment, edit and splice tape, and record from a radio.

**MAGNETISM (C)**

i-j 11 minutes B&amp;W: \$2.15

What magnetism is, how it differs from electricity and how it works. The film discusses (1) types of permanent magnets, (2) attraction and repulsion, (3) making magnets, (4) fields of force, (5) electromagnets and their uses, and (6) everyday uses of magnets.

**MAGNETISM (EB)**

j-h-c-a 14 minutes B&amp;W: \$3.65

The laws of polarity, the magnetic field, and terrestrial magnetism are discussed in a manner which leads to certain understanding of the atomic fields. Shows many modern applications of magnetism and the important role it plays in our technological civilization.

**MAGNETISM (JR. SCIENCE SERIES) (McGH)**

j 13 minutes B&amp;W: \$2.60

Explains the law of magnets, magnetism, and an electromagnet.

**MAGNETS (YA)**

i-j 15 minutes B&amp;W: \$2.65

Demonstrated are the properties of temporary and permanent magnets and the principle of polarity. This film is built around a magic show.



**MAGNETS (PRIMARY SCIENCE) (GA)**

p-i 10 minutes B&W: \$2.15  
The familiar toy horseshoe magnet is developed in simple steps through the doorbell, telephone, and powerful commercial electromagnets capable of lifting many tons of metals.

**MAHATMA GANDHI (EB)**

j-h 19 minutes B&W: \$4.15  
Re-creates the life of the philosopher-statesman by using documentary material photographed during the first half of the 20th century. One of the most unique film records ever presented of one of the greatest personalities of modern times.

**MAILMAN (EB)**

p-i 11 minutes B&W: \$2.15  
Importance of mail in our lives and mailman's relation to mail service.

**MAIN DISH, THE (NFBC)**

j-h-a 14 minutes B&W: \$2.65  
Deals with the purchase and preparation of beef with emphasis on the use of less expensive cuts. Various cooking methods are demonstrated to help housewives plan meals economically.

**MAINE HARBOR TOWN (U. S. A.—NORTHERN NEW ENGLAND) (UW)**

i-j-h 19 minutes B&W: \$4.15  
The Keller family, living near Camden, Maine, illustrate how the ingenuity of a people can supplement the income derived from farming rugged lands in a climate with a short, cool growing season. We see them capitalizing on other natural resources. Employment is obtained in nearby industrial plants. The Kellers provide shelter for tourists, and some of their neighbors earn part of their living by fishing.

**MAINLINE, U. S. A. (AAR)**

j-h-c-a 20 minutes Color: \$2.15  
Tells the story of America's railroad service to all communities. The railroads provide a vast network of transportation that makes every railroad a "mainline."

**MAINTAINING CLASSROOM DISCIPLINE (McGH)**

c 14 minutes B&W: \$3.65  
Explains the fundamentals of securing proper control of class conduct and attitudes. Contrasting methods of handling a class are demonstrated.

**MAINTAINING GOOD WORKING CONDITIONS (USOE)**

c-a 9 minutes B&W: \$1.65  
Shows several cases where improvement in working conditions resulted in increased production and better satisfied workers. The importance of the part played by supervisors in maintaining good working conditions is emphasized.

**MAINTAINING QUALITY STANDARDS (USOE)**

c-a 10 minutes B&W: \$1.65  
Various scenes emphasize the nature of quality standards. The role of the supervisor in maintaining quality as well as quantity is made clear by incidents involving poor instruction, carelessness, and lack of pride in good workmanship.

**MAINTAINING WORKERS' INTEREST (USOE)**

c-a 11 minutes B&W: \$1.65  
Workers are shown doing poor work because their jobs hold no interest for them. The point is made that the supervisor should be alert to detect and remedy these situations whenever possible.

**MAINTENANCE OF OFFICE MACHINES (CAA)**

j-h-c-a 34 minutes B&W: \$2.15  
Names dust, dirt, and carelessness as three enemies of machinery. Discusses the care and maintenance of typewriters, transcribing machines, dictaphones, adding machines, and calculators.

**MAJOR RELIGIONS OF THE WORLD (DEVELOPMENT AND RITUALS) (EB)**

j-h-c-a 19 minutes Color: \$6.65  
An objective survey of important aspects of the major religions of the world today—namely Hinduism, Buddhism, Judaism, Christianity, and Islam. Their origins, basic philosophies, and symbols. Designed to help inspire an appreciation for, and a tolerance of, the principal religious faiths.

**MAJORITY VOTE (McGH)**

j-h 7 minutes B&W: \$1.90  
Asks whether an elected representative of a group may legitimately support a measure which is disliked by the majority of those who elected her. When a high school class voice disapproval of support given by their student council representative to a measure curtailing their extracurricular activities, the representative gives reasons for her support of the measure. Audience is asked to express their opinions.

**MAKE A MOBILE (BFS)**

j-h-c-a 10 minutes Color: \$3.40  
Shows what can be done with scrap materials in making an abstract moving design. Uses wire, thread, sheet aluminum, a discarded towel rack, sponge, colored toothpicks, and a ping pong ball.

**MAKE A MOVIE WITHOUT A CAMERA (BFS)**

i-j-h-c 6 minutes Color: \$2.60  
Shows a group of students working on their own art film. Each student completes his own section of the film, drawing and painting directly on 16mm film leader in the process made popular by Norman McLaren. At the finale, the group demonstrates the result of its efforts by projecting the film in time with recorded music.

**MAKE MINE CHICKEN (USDA)**

j-h-c-a 4 minutes B&W: \$2.15  
Against a musical background, animated figures show and a narrator tells that chicken has universal appeal and is versatile, being appropriate for many dishes and meals and people of all ages. Five basic cooking methods are discussed and many tempting dishes are displayed.

**MAKE MINE FREEDOM (HC)**

j-h-c-a 10 minutes Color: \$3.40  
In humorous but effective fashion, this animated cartoon stresses the necessity to adhere to our Constitutional guarantees.

**MAKE-UP FOR BOYS (IFB)**

h-c-a 11 minutes Color: \$3.40  
An adaptation by Louise Dale Spoor of Mark Twain's "Tom Sawyer" serves as an illustrative example. Both straight make-up for Tom Sawyer and character make-up for the Injun Joe and Muff Potter are demonstrated, including preparation of nose putty and crepe hair.

**MAKE-UP FOR GIRLS (IFB)**

h-c-a 10 minutes Color: \$3.40  
An adaptation by Louise Dale Spoor of Mark Twain's "Tom Sawyer" serves as an illustrative example. Both straight make-up for Becky Thatcher and character make-up for Aunt Polly are shown—base, color, eyeshadow, etc.

**MAKE-UP FOR THE THEATER (UC)**

j-h-c-a 13 minutes Color: \$4.15  
Demonstrates step-by-step the application of stage make-up to both female and male faces. Grease paint is applied as a base. The steps are then demonstrated in this order and materials identified: rouge, eyeshadow (colored liner), eyebrow pencil including making the wedge, lip rouge, talcum, and brushing the finished make-up.

**MAKE-UP—STRAIGHT AND OLD AGE (UWI)**

h-c-a 20 minutes Color: \$5.15  
Demonstrates and explains the effect of brilliant stage lighting and stage to audience distance which flattens and dulls the features of the actor's face. Demonstrates the application of straight stage make-up in a step-by-step detail. Points out the difference between male and female make-up. Shows how to apply old age character make-up.

**MAKE WAY FOR YOUTH (ASF)**

j-h-c 19 minutes B&W: \$3.40  
Film is narrated by Melvyn Douglas. Started into action by tragedy, the people of a typical American town, young and old, start a youth program and the fences between neighborhoods, races, and religions begin to break down.

**MAKE YOUR HOME SAFE (YA)**

i-j 11 minutes B&W: \$2.25  
Good safety habits are promoted when all members of a family are thoughtful, skillful, and careful. Activities of a family in the home demonstrate safety practices in the various rooms



of the house. Shows the checking of electrical appliances and fixtures, skid-proofing rugs, handling of sharp implements, picking up toys, etc.

### MAKE YOUR OWN DECISIONS (C)

j-h-a 10 minutes B&W: \$2.15

The ability to decide for yourself is a prerequisite to mature and successful living. This film presents three questions which should precede a decision and shows how each contributes to making a self-reliant individual.

### MAKING A BALANCED AQUARIUM (C)

i-j 9 minutes B&W: \$2.15

Bob and Lynn construct a balanced aquarium in a glass tank. They demonstrate the procedures for securing the components of their aquarium.

### MAKING A BRONZE STATUE (EB)

j-h 11 minutes B&W: \$2.15

Follows each step by a leading sculptor in executing a bronze statuary group. Portrays him making the preliminary sketches and then building the rough figures on wire skeletons as he observes living models. Reveals the figures slowly taking form under the artist's deft touches. Describes how a large-sized group is then reproduced on a small scale, and how this is finally recast in bronze.

### MAKING A DECISION (McGH)

h-c 7 minutes B&W: \$2.15

Teenagers resent parental decisions, but have they the resources for making their own decisions? A high school girl is determined to go to a gathering of her friends instead of a family party. When parental objections are removed, the girl becomes uncertain. This discussion film leaves the audience to make the final decision.

### MAKING A DECISION IN THE FAMILY (McGH)

c-a 7 minutes B&W: \$2.15

With the same situation as "Making a Decision," this film is slanted toward adult discussion. When a teenager prefers to go to a gathering of her friends rather than a family party, she is firmly refused by her parents. The question of how the parents might have better handled the situation is left up to the audience.

### MAKING A MASK (CREATIVE HANDS SERIES) (IFB)

general 6 minutes Color: \$2.40

A group of children in school environment are directed through the simple procedures of making two kinds of masks out of wet paper and paste—the kind that is tied against the face and the kind that can be slipped over the head. Suggestions are given for painting them and adding hair or other accessories.

### MAKING A MONOTYPE (SILENT) (G)

j-h-c-a 16 minutes B&W: \$1.50

The making of a full-color print from one plate is demonstrated by Will Barnett, prominent graphic artist.

### MAKING BOOKS (EB)

i-j 10 minutes B&W: \$2.15

Traces the important steps in the manufacture of books—from author's manuscript to complete book. Reveals how type is set by linotype and locked into page form and how electroplates are made. Shows how the sheets are printed, cut, folded, and bound; how covers are made and attached; and how each book is finally enclosed in a bright-colored jacket.

### MAKING BRICKS FOR HOUSES (EB)

p-i 10 minutes B&W: \$2.15

Portrays the story of brickmaking from the digging of the basic material, shale, to the loading of finished brick into freight cars for shipment. Shows how the materials are assembled, pulverized and mixed, how the bricks themselves are shaped, cut, dried, baked, and finally graded for color and quality.

### MAKING CHANGE FOR A DOLLAR (C)

p 11 minutes B&W: \$2.15

Through an imaginative approach, the film stresses (1) the comparative values of pennies, nickels, dimes, quarters, half-dollars, and dollars; (2) some of the ways these values are commonly expressed; (3) how we can "make change" through understanding these comparative values and expressions.

### MAKING COTTON CLOTHING (EB)

i-j 11 minutes B&W: \$2.15

Demonstrates each step in the manufacturing of a child's cotton dress in a modern mass production clothing factory. Reveals the designing of the original, sample-making, pattern-making, cutting, sewing, finishing, pressing and packing. Hand methods are contrasted with large quantity production techniques.

### MAKING ELECTRICITY (EB)

i-j-h 10 minutes B&W: \$2.15

Demonstrates how electricity is made by moving a coil of wire through the field of a magnet. Explains how a small, hand-powered generator is constructed and how it operates; how the same principle applies in generating electricity at a large hydro-electric plant; and how electricity is carried over power lines to our homes.

### MAKING ELEMENTS (THE ELEMENTS) (IU)

h-c-a 30 minutes B&W: \$5.65

The scientists who participated in the discovery of elements 99, 100, and 101 describe and demonstrate the techniques, equipment, and chemistry associated with their work.

### MAKING FILMS THAT TEACH (EB)

c-a 19 minutes B&W: \$3.15

Shows how teaching films are written, photographed, and produced. Describes the research behind the film, role of the educational collaborator, and preparation of the script. Illustrates different types of production, such as dialogue and location, and various techniques, such as time-lapse photography, animation, etc.

### MAKING FRIENDS (EB)

j-h 11 minutes Color: \$3.40

Illustrates, with a series of brief scenes, the various kinds of friendship. Shows how high school students have different friendship problems and how each solves his problem. Stresses qualities of friendship and ways of making friends.

### MAKING GLASS (FOR HOUSES) (EB)

i-j-h 10 minutes B&W: \$2.15

Shows how sand, limestone, and soda ash are obtained and converted into glass in a laboratory and in a modern industrial plant.

### MAKING OF A MURAL (EB)

j-h-c-a 11 minutes Color: \$3.40

Follows in complete detail the techniques and processes followed by Thomas Hart Benton in painting a 22-foot mural. Traces entire process from original conception to finished mural.

### MAKING OF A SHOOTER (SILENT) (JH)

j-h-c-a 30 minutes Color: \$2.15

Demonstrates in three films the proper safety procedures to employ in gun handling while target shooting, hunting, or formalized shooting in competition. Champion shooters teach a young man in the proper way to care for and safely use a rifle during international matches. Hunting and target shooting scenes are also utilized to illustrate the proper use of a rifle and shotgun.

### MAKING OF THE RIVER, THE (C)

j-h-a 11 minutes B&W: \$2.15, Color: \$3.40

Traces the physical formation of the river from its source waters in the forest, the mountains, and the glen, and follows the river to its termination at the sea.

### MAKING SENSE WITH OUTLINES (C)

i-j 10 minutes B&W: \$2.25

A visit to a fruit farm led a class to organize their questions in outline form. Reasons for a breakdown of the subject matter into major topics and sub-topics with the proper lettering and punctuation is emphasized. The outline led to greater enjoyment of the field trip and later to organizing other subjects of class interest.

### MAKING SENSE WITH SENTENCES (C)

i-j 11 minutes B&W: \$2.15

Why should we use complete sentences when we write? Often we do not speak in complete sentences, yet we are understood. What is a complete sentence, anyway? These and other questions about "complete thoughts" and how they are answered are in this unusual film.



**MAKING SHOES (EB)**

p-i-j 11 minutes B&W: \$2.15  
Step-by-step process of how shoes are made.

**MAKING THE MOST OF SCHOOL (C)**

i-j 10 minutes B&W: \$2.15  
Opens students' eyes to the infinite riches which school offers them beyond their day-to-day assignments. Like Carl, other students will learn that merely "getting by" isn't nearly as interesting as participating in class discussions, investigating opportunities for additional learning, taking an active interest in clubs, and sports.

**MAKING THE MOST OF YOUR FACE (C)**

j-h 11 minutes Color: \$3.40  
Facial beauty begins with certain basic health habits—proper diet, rest, and good skin care. But also important to a girl's appearance are hair styling and the careful use of make-up. The film stresses that hair styles should be selected on the basis of what is best for the individual and that lipstick, eye make-up, and powder should be used sparingly and in good taste.

**MAKING THEATRICAL WIGS (UC)**

h-c-a 11 minutes B&W: \$2.15  
Shows the entire process of making a theatrical wig, including preparation of necessary materials. Also illustrates how a wig is made from yak hair and preparation of a bald wig.

**MAKING YOURSELF UNDERSTOOD (EB)**

h 17 minutes B&W: \$3.65  
Most of our social and work problems stem from the problem of communication between individuals and nations. This film employs a simple case study to analyze basic factors of communication. By carefully analyzing all elements in the communication process we can better evaluate and criticize all forms of communication, better communicators, and better listeners.

**MALAY PENINSULA, THE—PEOPLE AND PRODUCTS (C)**

i-j-h 11 minutes B&W: \$2.15  
Importance of this Asiatic peninsula to our economy is dramatized in this review of its economy and culture. Audiences will see the relationship of the hot, wet climate to the way the people of the Malay Peninsula live and how the people produce tin, rubber, tea, and copra. This film shows the development of trading centers such as Singapore with its striking contrast between East and West.

**MALAYA—THE FIGHT AGAINST THE UNSEEN ENEMY (MOT)**

h-c-a 24 minutes B&W: \$4.90  
Describes the political, economic, and social problems of Malaya and the problems caused by communist guerilla warfare. Scenes of the capital city, Kuala Lumpur, and glimpses of the tin mining in Malaya. The high commissioner, Sir Gerald Templar, is interviewed.

**MALAYA, LAND OF TIN AND RUBBER (EB)**

general 14 minutes Color: \$4.50  
Locates the Malay Peninsula and describes geography of the area. Shows methods of securing rubber and mining tin and their importance to the economic welfare of Malaya.

**MAMMALS ARE INTERESTING (EB)**

i-j 12 minutes Color: \$3.65  
Shows views of many different animals to illustrate the distinguishing characteristics of mammals.

**MAMMALS OF THE COUNTRYSIDE (C)**

i-j 11 minutes B&W: \$2.15  
Some countryside mammals are the farmer's enemies; some are his friends. Some eat his valuable crops; others kill harmful animals, build helpful dams, and eat destructive insects. Here we see the habits and characteristics of these countryside mammals—beaver, fox, mink, skunk, opossum, etc.—in unique natural-action shots.

**MAMMALS OF THE ROCKY MOUNTAINS (C)**

i-j 11 minutes B&W: \$2.15, Color: \$3.40  
Moving up the mountain from the valley grasslands through the wooded slopes and alpine meadows to the barren heights,

we see how animals typical of each mountain zone adapt themselves to the changing seasons. The film shows how the mountain goat, bighorn sheep, mule deer, marmot, porcupine, and others solve their particular problems of food supply.

**MAMMALS OF THE WESTERN PLAINS (C)**

i-j 11 minutes B&W: \$2.15  
Here the plant-eaters and meat-eaters of the plains illustrate the interrelationship of the wildlife in any area. Striking action scenes of the animals in their natural habitat show how the buffalo, antelope, timber wolf, and others are fitted to find their food and to protect themselves.

**MAN AGAINST MICROBE (MLI)**

j-h-c-a 11 minutes B&W: \$2.15  
The war which medical science has successfully waged against disease. A dramatic portrayal of the London Plague in 1665. Scenes present Leeuwenhoek, Pasteur, Lister and Von Behring. Features practical application of scientific discoveries, as in diphtheria immunization, milk pasteurization, the prevention of sepsis, etc.

**MAN ALIVE (ACS)**

a 11 minutes Color: \$2.15  
Animated film to interest the layman and develop a realistic attitude toward cancer. Includes psychology of fear of cancer. Suggests steps for early detection and successful treatment.

**MAN AND HIS CULTURE (EB)**

j-h-c-a 15 minutes B&W: \$3.40  
The audience, as explorers from outer space, learn how cultures are studied, their similarities and differences, how they are handed down, and how they change.

**MAN ENOUGH FOR THE JOB (O)**

j-h-a 28 minutes Color: N.C.  
This is the story of a city boy's adjustment to country life. Tells what a 4-H club came to mean to a boy, his father, mother, and younger sister. Explains how the 4-H club helps its members to grow physically, morally, and spiritually into young men and women who can assume responsibilities of good citizenship and become the future leaders of their community and their country.

**MAN IN FLIGHT (WDP)**

j-h-a 35 minutes Color: \$10.40  
This film presents a brief history of the development of aviation and the men responsible for it. Recent progress in science and engineering has sent airplanes into heights never reached before. The space, not the air, has become man's new limit of conquest.

**MAN IN SPACE (WDP)**

h-c-a 35 minutes Color: \$10.40  
Depicts the development of rockets from the ancient Chinese weapons to modern missiles. Shows how man may conquer outer space and establish a manned earth satellite. Presents the steps by which man will assault the space barrier and comments on the problems of "weightlessness" in outer space. Discussion by Dr. Von Braun.

**MAN IN THE BARN, THE (TFC)**

h-c-a 9 minutes B&W: \$1.65  
Dramatization of a theory that John Wilkes Booth did not die until 1903 when, as David E. George, he committed suicide. The scene is 1865. A man rushes out through the stage door of Ford's Theater and escapes on horseback. Booth is trapped. A single shot is heard. Seven people identify the body as Booth, but rumors persist that this is not Booth. We return to Oklahoma in 1903 where George lies dying. He has the same characteristics as Booth such as a crippled hand. *Restricted to Classroom Use.*

**MAN IN THE 20TH CENTURY (McGH)**

h-c-a 18 minutes B&W: \$3.90  
The mid-point of the century is a time to appraise both man's technological advancements and his capacity for destruction. Film points out the chief feature of the half-century—increasing nervous tension, and how it has affected our lives today. Appraises the ideological struggle between Russia and the Western powers.

**MAN OF STONE (SF)**

p-i 9 minutes B&W: \$2.10  
This story about a giant who came to life is adapted from the folklore legend "The Golem."



**MAN ON THE ASSEMBLY LINE, THE (NFBC)**

c-a 27 minutes B&amp;W: \$5.35

Using the case of Rod Quinn as an example, this film examines the problem of the assembly line worker who must perform the same act in exactly the same way day after day, and suggests that modern industrial society must find a solution to the stresses resulting from mass production methods.

**MAN TO MAN (MHFB)**

h-c-a 33 minutes B&amp;W: \$5.65

Shows how important it is to our mental health to have personal relationships we can trust and depend on. This is illustrated by the story of Joe Fuller, a psychiatric aide, and his gradual realization of the importance of day-to-day, minute-to-minute relationship with his patients as an important factor in helping them regain their health. Patience and understanding prove to be the tools that may mean the difference between recovery and chronic illness.

**MAN WHO CHANGED THE WORLD, THE (TFC)**

j-h-c 11 minutes B&amp;W: \$1.65

Story of James Hargreaves, humble English spinner, who invented the spinning jenny in 1767, thus laying the foundation of the machine age. Describes this development in terms of its relationship between man labor and machine labor. *Restricted to Classroom Use.*

**MAN WITHOUT A COUNTRY, A (YA)**

j-h-c-a 28 minutes B&amp;W: \$5.40

Edward Everett Hale's classic story of Philip Nolan. Retold within the framework of a court scene in which the judge, who is swearing in new American citizens, tells them the story of the American Naval officer who rejected and damned his country in a moment of anger.

**MANITOBA TRAILS (NFBC)**

j-h-c-a 25 minutes Color: \$2.15

In Manitoba the trails of early explorers and fur traders have become today's roads and highways, beckoning the vacationer to a land of lakes and streams, forests and hills—and the finest of recreational facilities for all the family.

**MANNERS IN PUBLIC (YA)**

p-i 11 minutes B&amp;W: \$2.35

Barbara learns about good manners in public—on the sidewalk, on the bus, in the theater, in the store, and in the elevator.

**MANNERS IN SCHOOL (YA)**

p-i 12 minutes B&amp;W: \$2.55

With the aid of Chalky, an animated cartoon character, Larry learns about good manners in school.

**MAN'S BEST FRIEND (UW)**

p-i-j 8 minutes B&amp;W: \$1.70

When a hunter's weary dog tries to sleep, he has flea trouble, a hot foot, and a snoring master. He finally goes to the woods to find peace.

**MAN'S GREATEST FRIEND (TFC)**

j-h-c-a 10 minutes B&amp;W: \$1.65

Service of dogs to mankind. Emphasis on Pasteur's work in developing a vaccine against hydrophobia. *Restricted to Classroom Use.*

**MANUSCRIPTS: MILESTONES IN WRITING (USC)**

h-c-a 10 minutes Color: \$3.40

Dr. Frank Baxter describes the ancient methods for preserving the thoughts of man. Samples of various materials such as parchment and vellum are shown. He explains the ancient system of copying materials in the "Scriptorium" where a group of individuals copy from the oral readings of a single person, and how later the art of printing became very ornate with silver and gold being used for "illuminated" printing.

**MAPS AND THEIR MEANING (A)**

i-j-h 14 minutes Color: \$4.65

Shows the meaning of the various color zones on physical maps and illustrates the type of land found in each of these zones. Animated maps, diagrams, and color photography show the effects of altitude, latitude, and rainfall on the way that man uses the land.

**MAPS AND THEIR USES (C)**

i-j 10 minutes B&amp;W: \$2.15

Provides an introduction to the study of special symbols in maps. Presents a variety of special-purpose maps and demonstrates the different uses of these maps and their symbols. How to read a map is shown by describing a scale of distances, a grid and legend.

**MAPS ARE FUN (C)**

i-j 10 minutes B&amp;W: \$2.15, Color: \$3.40

Introduces fundamental concepts of map reading through the story of Ronnie, who is trying to draw a map of his paper route for his friend Dick. They call on Mr. Donaldson, a cartographer. At Mr. Donaldson's suggestion, the boys build a scale model of Ronnie's neighborhood at a sand table. By creating their own map and examining other maps, the boys learn principles of scale, symbols, physical and political maps, various uses of color, and how to use a map index.

**MAPS: COASTAL SYMBOLS AND TERMS (A)**

i-j-h 14 minutes Color: \$4.20

Permits the viewer-learner to witness coastal forms chosen from along forty-nine hundred miles of the coastline of the United States. Because distances are great, wide-angle high altitude aerial photographic views are used to acquaint learners with long stretches of Atlantic, Gulf, and Pacific Coastal areas which heretofore have only been witnessed by a very few persons.

**MAPS FOR A CHANGING WORLD (EB)**

i-j-h 11 minutes B&amp;W: \$2.35

Traces the evolution of world map concepts from ancient times to the Jet Age and emphasizes the influence of air transportation on our present-day concepts of map making.

**MAPS: LAND SYMBOLS AND TERMS (A)**

i-j-h 14 minutes Color: \$4.20

Air views and photographs show how cities of various sizes, state capitals, boundary lines, highways, deserts, national parks, waterfalls, canals, railroads, rivers, and mountain peaks are indicated on a map.

**MAPS WE LIVE BY (UNFD)**

j-h-c 19 minutes B&amp;W: \$3.15

The role maps have played and are playing in the development of the world and the advancement of its people.

**MARC ANTONY OF ROME (TFC)**

j-h-c 21 minutes B&amp;W: \$3.15

Adapted from the photoplay, "Cleopatra," the film traces the part played by Caesar's impetuous lieutenant in the crucial period which preceded Octavius' rise to power. *Restricted to Classroom Use.*

**MARCHING BAND FUNDAMENTALS: PARTS I AND II (IU)**

j-h-c-a 21 minutes B&amp;W: \$4.15

This film defines and depicts file, rank, interval, distance, right and left face, about face, mark time, half step, and right and left flank. It illustrates fall in, dress right, at attention, at ease, parade rest, right face, forward march, halt, cadence, column right, diminish front, increase front, and counter-march. In addition, it shows marching with instruments and the handling of instruments at play and carry positions.

**MARCHING BANDS: MILITARY DRILL (IU)**

h-c-a 10 minutes B&amp;W: \$2.15

Animated sequences explain whistle signals and music cues and review basic flanking and to-the-rear movements, military counter-march, continuous military counter-march, fantail counter-march, minstrel turn, and carnival turn.

**MARCO POLO'S TRAVELS (EB)**

i-j-h 19 minutes B&amp;W: \$4.15

Re-creates adventures that Marco Polo described in his book about his travels. Differences between Eastern and Western cultures are dramatized by scenes in Kubla Khan's court. The film indicates the impact upon medieval Europe of Marco Polo's detailed account of life in other lands.



**MARIAN ANDERSON (WAR)**

h-c-a 26 minutes B&amp;W: \$4.90

A great singer's life—from early years through a Town Hall recital—is the theme of this film. Included are scenes of her home, Marianna. Music includes: *Begrussing*, Handel; *O What a Beautiful City, He's Got the Whole World in His Hands*, *Crucifixion*, and *Deep River*, all traditional spirituals; *Comin' Thro' the Rye*, old Scot melody; and the *Ave Maria* of Schubert.

**MARINE ANIMALS AND THEIR FOODS (C)**

j-h 9 minutes B&amp;W: \$1.90, Color: \$3.15

Demonstrates the interrelation of marine animals and their surroundings by showing various sea animals and the five general types of food on which they depend. Sea anemone, sea urchin, barnacle, and octopus are included. Special attention is given to certain adaptations of these animals for obtaining one or more of the main types of food.

**MARINE LIFE (EB)**

i-j 11 minutes Color: \$3.40

Depicts some of the colorful forms of animal life found under the sea. Shows typical activities of octopuses, sea urchins, hermit crabs, reef fish, sea robins, moon fish, sergeant majors, and killers of the sea. Tiger sharks, barracuda, porpoises, sea fans, and sea anemones are seen in their natural surroundings and in their relationships to each other.

**MARK TOBEY: ARTIST (BRF)**

h-c-a 18 minutes Color: \$7.15

After a fantasy sequence of people making comments about Tobey's abstract paintings in a gallery, film follows Tobey out of his Seattle home and audience sees the world through his eyes. For example, market scenes or wire netting become photographed compositions. Visuals accompanied by poem and music written by Tobey.

**MARK TWAIN AND TOM SAWYER (IFB)**

j-h-c 10 minutes B&amp;W: \$2.15

The locale of Samuel Clemens's life: his birthplace in Florida, Missouri, his home in Hannibal, and many other landmarks. The relics in the Mark Twain Museum. The famous cave. Influence of the Mississippi River on Clemens.

**MARK TWAIN: BACKGROUND FOR HIS WORKS (C)**

j-h-c 12 minutes B&amp;W: \$2.80

Using authentic backgrounds, quotations, and re-enactments, this biography contributes effectively to the study of the works of Mark Twain. The variety and color of Twain's boyhood on the Mississippi are shown to be a source of his major writings; his other works, as well, are seen to reflect the rich and zestful life of this journalist, yarnspinner, and humorist.

**MARK TWAIN GIVES AN INTERVIEW (C)**

i-j-h-c-a 14 minutes Color: \$4.80

Hal Holbrook's classic impersonation of Mark Twain is recreated in this interview with the author of some of the most beloved and widely-read works in American literature. Mr. Holbrook's amazing physical resemblance to Twain, his skill in reproducing the great author's mannerisms, and the witty and pungent dialogue excerpted from Twain's writings combine to make this a particularly intriguing and memorable film.

**MARK TWAIN (STRANGE AS IT SEEMS) (ACFC)**

general 10 minutes B&amp;W: \$1.65

Appearance of Halley's Comet at the time of Twain's birth and again at his death. Describes briefly his life on the Mississippi and in the West, his old age, his famous works.

**MARK TWAIN'S MISSISSIPPI (TFC)**

i-j-h 10 minutes Color: \$3.40

An excerpt from *The Adventures of Huckleberry Finn* that stresses the influence of the Mississippi River on Mark Twain and his time. Includes a steamboat unloading at Hannibal, Missouri; the runaway of Huck and Jim, the escaped slave; and the collision of their raft with a steamboat. They are taken aboard the boat and Huck is allowed to take the helm as the captain explains the signs of the river by which the pilots guide their ships. Concludes with quotations from *Life on the Mississippi* related to Twain's own boyhood ambitions to become a river pilot. *Restricted to Classroom Use.*

**MARKETING FARM PRODUCTS ABROAD (USDA)**

h-c-a 17 minutes Color: \$2.15

Crops produced on one of every ten acres in the U. S. are exported. To promote the world marketing of these farm products, the Department's agricultural attachés serve as eyes, ears, and

voice of American agriculture in sixty foreign locations. Pictured in this film are the promotional efforts in representative countries to increase the use of our farm products and how agricultural trade groups and private industry team with the Government in building friendship and prosperity for us and our world neighbors.

**MARRIAGE AND DIVORCE (McGH)**

c-a 15 minutes B&amp;W: \$3.40

Surveys problems of broken homes and the increasing divorce rate by examining effects of mechanization on present day family relations. The opinions of several experts as to what should be done are included.

**MARRIAGE COUNCIL (THE SEARCH) (CBS)**

h-c-a 27 minutes B&amp;W: \$5.65

Shows new methods of helping people avoid or overcome marital unhappiness. Includes important findings of such professional work. Discusses various problem-creating situations.

**MARRIAGE FOR MODERNS: CHOOSING FOR HAPPINESS (McGH)**

c-a 14 minutes B&amp;W: \$3.85

A dramatization of the problems in selecting a mate. In this film, each of the boys that Eve knows fails to meet the specifications she has set up. She has tried to change them "for their own good." Her cousin, Mary, suggests that for Eve, as for everyone, self-analysis is necessary before trying to make changes in others.

**MARRIAGE FOR MODERNS: IN TIME OF TROUBLE (McGH)**

h-c-a 20 minutes B&amp;W: \$3.85

Depicts the story of a couple whose happy marriage is jeopardized by a lack of understanding of each other's needs. The advisability of seeking outside help is stressed.

**MARRIAGE FOR MODERNS: IT TAKES ALL KINDS (McGH)**

c-a 14 minutes B&amp;W: \$3.85

Analyzes specific personality traits and shows the importance of knowing them in regard to mate selection and circumstances of successful marriage. Explains that traits of personality appear in moments of stress and emphasizes that marriage partners must complement each other.

**MARRIAGE FOR MODERNS: JEALOUSY (McGH)**

h-c-a 15 minutes B&amp;W: \$3.85

Incidents from the life of a young married couple show the unfortunate results of a treacherous imagination and lack of faith and understanding in a marriage relationship. Stresses the importance of critical self-appraisal and a basic change of attitude necessary to overcome jealousy.

**MARRIAGE FOR MODERNS: MARRIAGE TODAY (McGH)**

c-a 22 minutes B&amp;W: \$3.85

Shows how two couples have built lasting marriages by a clear analysis of their mutual aims and through cooperation. Neither of these marriages is perfect, but these people have their ideals and goals in true perspective and they are willing to work together to achieve them.

**MARRIAGE FOR MODERNS: THIS CHARMING COUPLE (McGH)**

c-a 22 minutes B&amp;W: \$3.85

Focuses on a frequent cause of broken marriages—the false ideals of "romantic love." Follows the courtship of two young people who refuse to evaluate each other's good qualities and shortcomings realistically.

**MARRIAGE FOR MODERNS: WHO'S BOSS (McGH)**

c-a 17 minutes B&amp;W: \$3.85

Presents the problems of how married couples should adjust to each other and form a good partnership. Dramatic episodes show how a typical young couple, faced with problems, learn to achieve a good balance by patience, love and understanding.

**MARRIAGE FOR MODERNS: WHO'S RIGHT? (McGH)**

h-c-a 18 minutes B&amp;W: \$3.85

When a young married couple become involved in a quarrel, both alternately express their inner thoughts and feelings of dissatisfaction about each other and both justify their own actions. The film reveals that their shortcomings have contributed to the conflict and that adult love must be achieved through understanding and forbearance.



MARRIAGE IS A PARTNERSHIP (C)

h-c-a 17 minutes B&W: \$3.65  
This film sets out to establish a positive approach towards marriage and answers some of the major problems that arise during the first married years. Arguments, responsibilities, decisions, loyalties, and other marital questions are raised and discussed.

MARRIAGE OF FIGARO (OF)

j-h-c-a 22 minutes B&W: \$4.15  
Continuity is preserved in this condensed version of Mozart's opera. Important highlights are performed by actors, with singing separately dubbed in. Narration takes care of the course of action.

MARSHALL PLAN AT WORK IN GREECE, THE (AFF)

h-c-a 19 minutes B&W: \$2.15  
The Marshall Plan had to do more than simply restore pre-war Greece; it had to make Greece a better, more prosperous country. Shows reconstruction—schools restored and transportation facilities made to operate once more. Film is also a document of a changing Greece, a country whose peasantry is being introduced for the first time to modern farm machinery, to scientific agriculture, and large-scale irrigation projects.

MARSHES OF THE MISSISSIPPI (AV)

i-j-h-c 13 minutes Color: \$3.80  
Animal as well as human life is explored in the marshes along the Mississippi River in the vicinity of the Gulf of Mexico. Methods of transportation, the flora and fauna of the region, the factors working to maintain and build the marshlands are the major topics discussed by the film. Shows how man is dependent upon the conservation of the animal and plant life of the delta region.

MARTIN AND GASTON (BRF)

p-i 14 minutes Color: \$3.40  
An incentive film to promote art projects with children. Paintings and cut-outs made by children in a school near Paris are utilized in animation to construct a story about two small boys who are shipwrecked during a storm. Narrated by a child with a musical accompaniment.

MARVELS IN MINIATURE (ANIB)

j-h-c-a 11 minutes Color: \$3.60  
Shows underwater life of the Barrier Reef under the magnifying glass, depicting the thousands of small particles that make up the plankton upon which the smallest fish feed. Marine life from the smallest diatoms and eggs of tiny sea creatures to the ghost shrimp and the sea worm are seen.

MARY HAD A LITTLE LAMB (BACKGROUND FOR READING AND EXPRESSION) (C)

p 10 minutes Color: \$3.40  
The poem about Mary and her lamb is read, re-enacted, and presented in live action.

MARY LEARNS HER TRAFFIC LESSON (COF)

p-i-j 6 minutes B&W: \$2.15  
Mary crosses a street carefully on her way to school, but the lamb does not obey traffic rules and is almost run over. At school the lamb learns traffic safety. When he goes home with Mary, they cross the street correctly together.

MARY VISITS POLAND (McGH)

i-j-h 12 minutes Color: \$2.40  
Mary, an American elementary school girl, describes to her class her experiences in visiting her grandparents in Poland. She takes her class into a Polish school, into Polish homes, and into the fields where agricultural activities are seen, and shows them the beautiful costumes and colorful dances of the Polish people.

MARY'S LITTLE LAMB (UW)

p-i-j 9 minutes Color: \$2.55  
Mary's persistent lamb crashes school. The lamb shows hilarious talent.

MASSACHUSETTS (THIS LAND OF OURS SERIES) (IFI)

i-j-h 9 minutes Color: \$3.10  
Historical background of the state. Provincetown, Plymouth Rock, Boston; Smith, Amherst and Williams colleges; Harvard University; industries and textiles.

MASTER WILL SHAKESPEARE (TFC)

j-h-c-a 11 minutes B&W: \$1.90  
A fictionalized life of Shakespeare—boyhood in Stratford, introduction to playwriting as a prompter at Blackfriars Theatre, London, friendship with Ben Jonson and Thomas Dekker, the success of his plays. Includes scenes of Romco and Juliet. *Restricted to Classroom Use.*

MATERIALS CONTROL (INDUSTRIAL ORGANIZATION AND MANAGEMENT SERIES) (McGH)

c-a 10 minutes B&W: \$2.15  
The job of getting the right material in proper amounts to the right place at the right time is described under three materials-control functions of management: 1) procurement, 2) inventory control, and 3) control of handling and transportation of materials in the production process.

MATERIALS OF OUR WORLD (UW)

i-j 13½ minutes Color: \$4.70  
Develops basic understandings of matter and molecules, states of matter, crystallization, and physical change.

MATERNAL DEPRIVATION IN YOUNG CHILDREN (NYU)

c-a 25 minutes B&W: \$5.05  
The film shows scenes taken inside a French orphanage where many small children are cared for and studied. After a general introduction to the characteristics of the children who are suffering from lack of maternal attention, we follow the progress of Monica, a little French girl who has withdrawn and rejected all outside contacts. After months of personal care and individual attention Monica begins to show interest in others. Months of concentrated care are required to bring Monica back to a normal attitude toward others.

MATT MANN'S SWIMMING TECHNIQUES FOR BOYS (C)

i-j-h 18 minutes B&W: \$3.55  
Mann's teaching techniques for the crawl, backstroke, breast and butterfly strokes are illustrated from land drills to slow motion analyses in water.

MATT MANN'S SWIMMING TECHNIQUES FOR GIRLS (C)

i-j-h 11 minutes B&W: \$2.15  
The elements of four basic strokes are shown—the crawl, backstroke, breast stroke, and flying fish. A class demonstrates proper arm motion, kicking action, breathing, and body streamlining. Relaxation is emphasized for good swimming technique.

MATTER AND ENERGY (C)

j-h-c 10 minutes B&W: \$2.15, Color: \$3.40  
Presents the basic concept that everything in the universe is composed of matter and is affected by energy. Matter in its different forms is presented; and elements, compounds, and mixtures are defined. Physical and chemical changes of matter are explained with familiar examples, and the law of conservation of matter is demonstrated. This basic film ends with a brief exposition of atomic energy.

MATTER OF TIME (MTP)

h-c-a 12 minutes Color: \$2.15  
Medical science's fight against heart disease. Main types of heart disease are discussed and some simple rules of health for a longer, happier life are provided.

MAYA ARE PEOPLE (SM)

j-h-c-a 20 minutes B&W: \$4.15  
A documentary of the little-known men of the Lacadon tribe of ancient Maya civilization. Contrasts the glory of the past civilization and suggests a parallel to all of mankind's activities.

MAYA OF ANCIENT AND MODERN YUCATAN (BFS)

j-h-c-a 22 minutes B&W: \$3.95  
The forgotten cities of Chichen Itza and Uxmal of the ancient Mayan empire are contrasted with the Mayan Indians as they live today in the villages and towns of Yucatan, their lives a mixture of both ancient and modern beliefs.

MAYAS, THE (C)

i-j-h 11 minutes Color: \$3.40  
Ruins of the ancient city of Tikal in Guatemala introduce this survey of Mayan civilization. From Tikal of the Old Empire to



Uxmal and Chichen Itza of the New Empire, we follow the remarkable Mayan Indians and their achievements in agriculture, architecture, sculpture, astronomy, and mathematics.

### MAYFLOWER, THE (CARTOON) (UW)

general 8 minutes B&W: \$1.20  
The merry Mayflower lands a lot of wacky Pilgrims who are greeted by redskins and rhythm. Punch-happy Pilgrims have hilarious reasons for Thanksgiving.

### MEALTIME MANNERS AND HEALTH (C)

i-j 11 minutes B&W: \$2.15  
There is more to good mealtime manners than the simple courtesies at the table. Making mealtime pleasant for others is essential to being well liked, to easy and natural table manners and to health.

### MEANING OF ADOLESCENCE (ADOLESCENT DEVELOPMENT SERIES) (McGH)

c-a 16 minutes B&W: \$4.25  
An overview of the social, emotional, mental and physical changes which occur in the adolescent between childhood and adulthood, with suggestions on how adults can help them in their adjustments.

### MEANING OF CONSERVATION, THE (C)

i-j 10 minutes B&W: \$2.25, Color: \$3.40  
History of the use of our country's natural resources and reasons for the conservation movement. It relates many conservation laws, projects, and practices to preserving and rebuilding our land.

### MEANING OF ELECTIONS (C)

j-h 10 minutes B&W: \$2.15  
Shows how our election system is based on a concept of equality, how it functions to help each citizen participate in his government, how elections select representatives and fix responsibility on elected officials.

### MEANING OF ENGAGEMENT (C)

h-c-a 13 minutes B&W: \$3.55  
The engagement period should be an important step in preparing for a successful marriage. The function of the engagement period is to develop psychological unity, to learn to know each other, and to plan for the future. Also discusses the delicate problem of "breaking an engagement" and when it is the wisest choice.

### MEANING OF FEUDALISM (C)

i-j-h-c 10 minutes B&W: \$2.15  
Students gain a historical experience when they see and study a feudal castle with Jacques, a French boy who lives in an ancient town below the castle.

### MEANING OF LONG DIVISION (EB)

i 11 minutes B&W: \$2.15  
Animated drawings picture divisor and dividend by scales. Subtraction is accomplished as the divisor scale pushes portions equal to itself in length away from dividend scale. Gives a true quantitative picture of these repeated subtractions.

### MEANING OF PATRIOTISM, THE (C)

i-j 13½ minutes B&W: \$3.15  
Any person who loves his country and is willing to protect it is a patriot; he need not be famous nor a hero. In a series of dramatic vignettes depicting American patriots of the past, this film points out that lawmakers, schoolteachers, newspapermen, and the housewife may achieve in different ways the uncommon service to their country that we identify as patriotism.

### MEANING OF PERCENTAGE (McGH)

i-j 11 minutes B&W: \$2.15  
Relates the meaning of percentage to hundredths both as fractions and as decimals. The meaning of common percentages is developed and related to social situations.

### MEANING OF PI (C)

i-j 10 minutes B&W: \$2.15  
Develops an understanding of this important mathematical ratio and outlines a study procedure by which the numerical value of pi can be checked and reviewed. In careful step-by-step procedure, the numerical value of pi is arrived at. Sequences showing the use of circles in art, industry, and commerce help to fix the value firmly in the student's mind.

### MEANING OF PLUS AND MINUS, THE (EB)

p 11 minutes B&W: \$2.15, Color: \$3.40  
A delightful combination of photography, music, and words gives meaning to the process of adding and the process of taking away. Colorful phrases such as "chase away," "join," and "give away" are used in explaining the concepts of combining and separating familiar objects. Number symbols are skillfully introduced.

### MEANING OF THE INDUSTRIAL REVOLUTION (C)

i-j-h-c 11 minutes B&W: \$2.15  
The film shows the beginning and meaning of the Industrial Revolution—the changes from hand tools to machines and from water power to steam. From the quiet rhythm of the spinning wheel to the multiple whirring of Hargreaves' spinning jenny to the steady pulse of a Watt flywheel, the film presents an exciting drama of industrial achievements that revolutionized Western civilization.

### MEASUREMENT (C)

i 10 minutes B&W: \$2.15  
Don finds that the whole pattern of his life is interwoven with measurement. Time, temperature, liquid measure, weight, cubic, square, and linear measure permeate the fabric of society. The illustrations are simple, such as counting money, but they explain the importance of standardized measure.

### MEASUREMENT OF ELECTRICITY (C)

j-h 11 minutes B&W: \$2.15  
David falls asleep while studying a book on electricity. In his dream the four scientists whose names have been adopted as the four basic units of electrical measure speak to him. Teaches the fundamental definitions and the physical concepts involved in the volt, ampere, ohm, and watt.

### MEASUREMENT OF THE SPEED OF LIGHT: PHYSICS SERIES (McGH)

h-c-a 7 minutes B&W: \$2.15  
Described in detail is the toothed-wheel method of Fizeau with the aid of a moving light beam. Michelson's modification of this method is explained by reflecting the light beam from a rotating eight-sided mirror. Motion is slow enough so that the path of light may be understood at all times.

### MEASUREMENT WITH LIGHT WAVES (UW)

h-c-a 15 minutes B&W: \$3.15  
Principles of measurement with light waves, the nature of light waves, the reflection and refraction of monochromatic light by a glass surface, the cause of interference bands are shown. Procedures in gauge block inspection are demonstrated.

### MEASURING AND TESTING THINGS (UW)

i 15 minutes Color: \$4.70  
This film introduces ways scientists work. It shows how controls are set up, test materials used, accurate measurements taken to insure reliable results.

### MEASURING AREAS: SQUARES, RECTANGLES (C)

i-j 11 minutes B&W: \$2.35  
Provides insights from which the child may confidently generalize that the area of any square or rectangle may be found by multiplying its length by its width. The film introduces the square unit of measure, showing how it is related to the total area of the plane figure, and shows some practical uses of area measurement.

### MEASURING SIMPLE AREAS (KB)

i-j 11 minutes B&W: \$2.15  
How to compute the areas of simple parallelograms, rectangles and triangles.

### MEASURING TEMPERATURE (McGH)

i-j 7 minutes B&W: \$2.15  
Steve's attention is called to several thermometers—one on the outside of the house, one in the oven of the stove, and one on the thermostat in the house. From the encyclopedia Steve learns the way thermometers work and their many uses.

### MEAT: FROM RANGE TO MARKET (EB)

j-h-c-a 11 minutes B&W: \$2.15  
Shows processing and distribution of meat products. The products are traced from the range, to the corn belt, to the packing house. After government inspection and skillful processing, the meat is shipped to market through interstate commerce.



## MEAT, MILK, AND MONEY WITH LIVESTOCK ON CONCRETE (PCA)

**h-c-a** 16 minutes **Color: N.C.**  
Compares condition of farm animals fed in filth and mud with those fed in a clean environment. Illustrates how scientifically laid concrete in the barnyard can be profitable to the farmer.

## MEATLESS TUESDAY (UW)

**general** 9 minutes **B&W: \$1.70**  
Andy Panda finds a recipe for roast chicken in his "Meatless Tuesday Cookbook." He tries to catch a rooster, and there is a merry chase as the audience tries to figure out who's chasing who.

## MECHANIC, THE (UW)

**j-h-c-a** 15 minutes **B&W: \$2.65**  
Shows the work and life of a master mechanic in the town, his job in the factory, activities around home, and a family trip to the country on Sunday.

## MECHANICAL APTITUDES (C)

**j-h** 10 minutes **B&W: \$2.15**  
A high school student goes to a vocational counselor concerning the possibility of becoming an engineer. Ways to test mechanical interest and abilities and to increase mechanical abilities are shown.

## MECHANICAL REFRIGERATION: HOW IT WORKS (UW)

**h-c-a** 22 minutes **B&W: \$2.85**  
Explains the function, theory and operation of the important parts of the refrigeration system.

## MECHANICS OF LIQUIDS (C)

**j-h** 10 minutes **B&W: \$2.15**  
The dynamics of hydraulics are introduced in this physical science subject. Presented in semi-story form, this film helps to relate the subject to the world about us.

## MECHANISMS OF BREATHING (EB)

**j-h-c-a** 11 minutes **B&W: \$2.15**  
The breathing mechanism in operation. Technical animation portrays gaseous exchange in the lungs and body tissue cells, including pathological conditions. A demonstration of artificial respiration is provided. By means of animation and photography the nervous control of breathing and factors affecting rate and depth of breathing are shown.

## MEDICAL TECHNOLOGIST—CAREER (ACS)

**h-c-a** 22 minutes **Color: \$2.15**  
Designed to interest high school students in careers in medical technology. Joan visits a hospital laboratory. She observes how during an operation, a technologist slices a bit of tissue and stains it, so the pathologist can determine the extent of the operation. She watches a bacteriologist making a sensitivity test to determine the antibiotic most suitable to combat the bacteria. Then, as a student, Joan performs a blood grouping test.

## MEDICINE—AVIATION MEDICINE (THE SEARCH) (CBS)

**h-c-a** 25 minutes **B&W: \$5.65**  
With man's flying into outer space and new problems of human endurance developing with respect to high altitudes and great speeds, there is a need for experiments to determine the limits that the human body can stand. The tests run by the USAF School of Aviation Medicine reveal these limits.

## MEDIEVAL ARCHITECTURE (UW)

**h-c-a** 15 minutes **B&W: \$3.95**  
Shows the development of architectural form and line, as illustrated in the notable feudal castle of the Loire Valley in France.

## MEDIEVAL CASTLES (UW)

**j-h-c** 18 minutes **B&W: \$3.95**  
From present-day ruins in England and from diagrams the development of castles is traced, showing that from the time of William the Conqueror the design of castles was adapted to defense from warring enemies.

## MEDIEVAL CRUSADES, THE (EB)

**i-j-h-a** 26 minutes **Color: \$8.90**  
Re-creates events that led to the Crusades. It follows the fate of one noble family and their manor through the First Crusade. It reviews the most important later Crusades and the influ-

ence of the Crusades on life in Europe. The historical scenes were dramatized and re-created in several medieval cities in France, Asia Minor, and Palestine.

## MEDIEVAL GILDS, THE (EB)

**i-j-h-c-a** 21 minutes **Color: \$6.65**  
Tells the story of a medieval town from its beginnings as a feudal manor through its evolution into a gild town and later into a commercial center of the late middle ages. This is told in photography of several of the old gild towns of Western Europe. The film describes the development of the institution of guilds and dramatizes the role of the gild in the emergence of modern industry and commerce.

## MEDIEVAL KNIGHTS, THE (EB)

**i-j-h-a** 22 minutes **Color: \$6.65**  
Illustrates the trials and feats of courage and skill needed in becoming a knight. The story centers around Robert de Goncourt, who at seven, starts the long process of knighthood. At fourteen, the page becomes a squire. At twenty-one, he goes through the final physical and religious aspects.

## MEDIEVAL MANOR, THE (EB)

**j-h-c** 22 minutes **Color: \$6.65**  
A typical medieval manor with the daily activities that are carried on within its shadow. We follow the lord of the manor as he makes his daily rounds. The class division between the lords and serfs is shown. Portrays the church as the only place under God where all men are equal in the feudal system. Here all the learning of the community originates. Final scenes show the marriage of the young master of the manor and the celebration which follows.

## MEDIEVAL MONASTERY (UW)

**j-h-a** 16 minutes **B&W: \$3.95**  
Explains an important phase of history in the Middle Ages—the monastery—in terms of life in the modern Benedictine Abbey in Buckfast, England.

## MEDIEVAL TIMES: ROLE OF THE CHURCH (C)

**h** 14 minutes **Color: \$4.80**  
The great churches and cathedrals of Europe and the glowing colors of medieval art provide the background for this richly authentic film. Costumed re-enactments enable us to understand the vast influences of the church on the peasants, nobility, scholars, and clergy of the Middle Ages, and the role the church played in shaping European history then and in the centuries to come.

## MEDIEVAL VILLAGE (UW)

**j-h-c-a** 19 minutes **B&W: \$3.95**  
Traces the social history of Lanton, a village in England, from the 12th century; and shows the feudal survival of the court.

## MEDIEVAL WORLD, THE (C)

**i-j-h-c** 11 minutes **B&W: \$2.25, Color: \$3.40**  
From the English walled city of York, from the Flemish guild-halls of Ghent, from the French cathedral of Chartres comes the film framework of *The Medieval World*. Knights and feudalism, Chaucer's Pilgrims, castles, and crusades—these words and ideas take on meaning and relationship in this exciting visualization of medieval times.

## MEDITERRANEAN AFRICA (EB)

**i-j-h** 12 minutes **Color: \$3.40**  
A geographical and historical survey of the narrow and limited fertile area of Africa along the Mediterranean coast. Indicates graphically the invasions that resulted in a mixing of races. Shows the continuing importance of the area as a source of food for Europe.

## MEET MR. LINCOLN (EB-NBC)

**j-h-c-a** 28 minutes **B&W: \$5.35**  
A living portrait of Lincoln as his contemporaries saw him—in the pictures and words of his own time. New camera animation techniques have given movement and flow to pictures selected from some 25,000 photographs and prints gathered from archives and private collections all over the country. An excellent review of the critical events of Lincoln's presidential years.

## MEET THE ARTIST (IFB)

**j-h-c-a** 15 minutes **B&W: \$3.75**  
Shows how Stevan Dohanos paints covers for the *Saturday Evening Post* from the initial idea, through assembling materials in the community, composing and photographing them, and finally painting them on canvas.



**MEET THE SIOUX INDIAN (DFP)**

general 9 minutes Color: \$3.40  
Way of life of the Sioux Indians and their dependence upon the buffalo for food, shelter, and clothing.

**MEETING THE CHALLENGE OF THE GIFTED (McGH)**

c-a 11 minutes B&W: \$2.45  
Surveys the program of one school district in Vallejo, California, in meeting the needs of the gifted children of the intermediate grades. Shows how special classes are conducted in the various curriculum areas by specially trained teachers and points up the selection of gifted children according to several separate talents and abilities. Cautions that the program works for this particular school district but perhaps not for other situations.

**MEETING THE NEEDS OF ADOLESCENTS (ADOLESCENT DEVELOPMENT SERIES) (McGH)**

c-a 18 minutes B&W: \$4.25  
Shows how a family helps to meet the changing needs of their two children, a boy of 14 and a girl of 17. Depicts the social, educational, and religious life of the 17-year-old and the group activities of the 14-year-old, as they make adjustments with their increasing mental and physical capabilities. Shows that secure family relationships and increasing independence provide the basis for mature adulthood.

**MEIOSIS—IN SPERMATOGENESIS OF THE GRASSHOPPER (ATB)**

c-a 18 minutes B&W: \$3.65  
Includes fourteen scenes of living cells—primary and secondary spermatocytes—growing through prophase, metaphase, anaphase and telophase of both cycles of division. The speed build-up applied was 180 times, so that one minute of film represents three hours in the lives of the cells.

**MELODY IN MUSIC (C)**

i-j 14 minutes B&W: \$2.90  
Elementary school-age youngsters demonstrate different kinds of melodies, melodic variations and lengths, the effect of rhythm on melody, and how melodies can be created. Instruments played include the violin, tuba, flute, chimes, piano, marimba, cornet, and French horn.

**MELODY LANE (UW)**

j-h-c-a 7 minutes B&W: \$1.70  
The film contains the following songs: *By the Light of the Silvery Moon* by the Dinning sisters; *Wait Till the Sun Shines Nellie* by Bob Chester and his orchestra; and *Little Grey Home in the West* sung by Michael Bartlett.

**MELODY ON PARADE (SF)**

general 7 minutes B&W: \$1.70  
With the tune of *Melody on Parade* as background organ music, the film reviews all the Presidents of the United States up to and including F.D.R.

**MELODY PARADE (CHARLEY BARNET) (UW)**

general 15 minutes B&W: \$2.65  
Appearing with Charley Barnett and his orchestra are Kay Starr, Dorothy Allen, June Hutton, and Gray & Diane.

**MELTING AND REFINING OF STAINLESS STEEL (USBM)**

h-c-a 22 minutes Color: \$2.15  
Operation of a 50 ton electric furnace: charging furnace, lowering electrodes, striking electric arc, controlling current, adding oxygen to burn out impurities, slagging to protect steel, taking a sample, skimming slag, adding burned lime and fluorspar, adding chromium and nickel, laboratory testing, physical testing, and pouring the melted substance into ingots. Lists articles made of stainless steel.

**MEMORIES OF SHAKESPEARE (HOP)**

h-c-a 28 minutes B&W: \$5.65  
Gives a biography of William Shakespeare, showing his birth-place, home, Memorial Theatre, Globe Theatre and all the landmarks of his life and times.

**MEN AND THE SEA (OWI)**

h-c-a 9 minutes B&W: \$2.15  
Shows the training of the men of the Merchant Marine for wartime service. Includes signalling, seamanship, gunnery, radio operation, and mechanical work.

**MEN AT WORK (McGH)**

h-c-a 27 minutes B&W: \$5.35  
Shows results from the human relations point of view when a speeded-up conveyor system and a clash of temperaments disrupt the men working on the assembly line.

**MEN OF FIRE (BFS)**

general 11 minutes B&W: \$2.15  
An evaluation of fire-fighting methods, equipments, and training, both past and present, is presented realistically with occasional touches of humor.

**MEN OF GLOUCESTER (FMC)**

j-h-c-a 22 minutes Color: \$4.45  
Tells the story of the adventurous, work-filled lives of the people who inhabit the Massachusetts fishing community. The audience is taken aboard the motor schooner "Santa Maria" for a deep sea fishing trip. A colorful highlight is the yearly observance of the Feast of St. Peter, patron of fishermen.

**MEN OF MEDICINE (McGH)**

j-h-c-a 14 minutes B&W: \$3.15  
Singles out a typical doctor and follows him through his painstaking period of training. Tells how he feels when he receives his first fee, makes his first call, and performs his first operation.

**MEN OF OUR AGE (OF)**

j-h-c-a 10 minutes B&W: \$1.90  
A review of the work of Jo Davidson. His portrait sculptures are of men who have been prominent in many fields. Photographed at the National Institute of Arts and Letters and at the American Academy of Arts and Letters.

**MEN OF SCIENCE (McGH)**

j-h-c-a 18 minutes B&W: \$3.85  
Shows the Massachusetts Institute of Technology, outstanding science center.

**MENACE OF THE CORN BELT (JD)**

h-c-a 11 minutes B&W: \$2.15  
The European corn borer, a serious pest in the ears and stems of Indian corn, came to the United States over thirty years ago. Shows where this corn borer has spread, and the steps in controlling it.

**MENDELSSOHN: MIDSUMMER NIGHT'S DREAM (SG)**

h-c-a 15 minutes B&W: \$3.35  
The Radio Philharmonic Orchestra of Italy plays selections from Mendelssohn's *Midsummer Night's Dream*; including the Nocturne, the Scherzo, and the Wedding March.

**MENTAL HEALTH (EB)**

h 12 minutes B&W: \$3.15, Color: \$4.40  
Defines good mental health, describes its characteristics, and discusses its importance to the individual and to society. Sets forth a series of simple, straightforward rules for "keeping mentally fit," and illustrates them with incidents from the lives of various members of a high school graduating class.

**MENTAL ILLNESS: PART I (THE SEARCH) (CBS)**

h-c-a 26 minutes B&W: \$5.65  
The examining, testing, and treatment of mentally ill people at Tulane University. Explains and demonstrates the use of psychotherapy, the use of sodium amytal, and other methods of helping the neurotic.

**MENTAL ILLNESS: PART II (THE SEARCH) (CBS)**

h-c-a 26 minutes B&W: \$5.65  
A continuation of Part I, showing the research and treatment of the mentally ill being conducted at Tulane University. Deals mainly with psychotics and highlights the theory that the brain is actually malfunctioning pathologically at the time of mental illness. Shows brain wave tests on normal and sick persons, the use of sodium amytal, and electric shock therapy.

**MENTAL SYMPTOMS SERIES**

The following nine films demonstrate some manifestations of various mental disorders. In each motion picture, a psychiatrist describes the type of illness to be illustrated. An interview between the patient and the psychiatrist follows, in which typical symptoms are evident. Use of these films is restricted to professional audiences and audiences with a continuing interest in mental health.



## MENTAL SYMPTOMS SERIES: DEPRESSIVE STATES NO. I (McGH)

c-a 12 minutes B&W: \$2.15  
Demonstrates some manifestations of the agitated form of severe depression. A middle-aged male patient suffering from recurrent depressions is shown on two occasions, first in the evening and again the following morning, noting the symptoms of pronounced motor agitation, depressed mood, feelings of hopelessness and sinfulness, and distinct fluctuation in his mood during the course of the day.

## MENTAL SYMPTOMS SERIES: DEPRESSIVE STATES NO. II (McGH)

c-a 12 minutes B&W: \$2.15  
Demonstrates some manifestations of the retarded form of depression and of a severe depression which has reached the point of attempted suicide. Two patients are shown. The first, a middle-aged woman, presents a picture of depression which is characterized by pronounced retardation. She has become extremely slow in her movements, speech and mental processes. The second is a young woman whose depression is the final reaction to an unbearable life situation and who has attempted suicide on two occasions.

## MENTAL SYMPTOMS SERIES: FOLIE A DEUX (McGH)

c-a 14 minutes B&W: \$3.15  
Presents a demonstration of symptoms of folie a deux, or induced insanity, in two patients—mother and daughter. The psychosis developed first in the daughter and was then communicated to the mother, who is very dependent upon and has a close emotional attachment to her child. The daughter expresses a number of grandiose delusions and delusions of persecution, which ideas the mother accepts as reality.

## MENTAL SYMPTOMS SERIES: MANIC STATE (McGH)

c-a 14 minutes B&W: \$3.15  
A patient exhibits characteristic symptoms of the chronic manic state; the triad of symptoms which reflect exaggeration of otherwise normal moods of behavior—overactivity, increased and accelerated ideation, elation.

## MENTAL SYMPTOMS SERIES: ORGANIC REACTION— SENILE TYPE (McGH)

c-a 11 minutes B&W: \$2.15  
Two patients—a woman and a man—both suffering from senile psychosis, evidence impairment of intellectual functions in such symptoms as a loss of memory, disorientation in time, perseveration of ideas, confabulation, brief span of attention, and delusions.

## MENTAL SYMPTOMS SERIES: PARANOID CONDITIONS (McGH)

c-a 11 minutes B&W: \$2.15  
Shows two patients; the first, an acute paranoid exhibiting a delusional system in which the government and religion play an important role; the second, a chronic paranoid with delusions of persecution by a powerful group.

## MENTAL SYMPTOMS SERIES: SCHIZOPHRENIA, CATATONIC TYPE (McGH)

c-a 11 minutes B&W: \$2.15  
Three male patients who have been hospitalized for from five to fifteen years show such symptoms as lack of activity, obliviousness to their environment, negativism, inflexibility, and automatic obedience.

## MENTAL SYMPTOMS SERIES: SCHIZOPHRENIA, HEBEPHRENIC TYPE (McGH)

c-a 11 minutes B&W: \$2.15  
A male patient, hospitalized for thirteen years, exhibits such symptoms as untidy appearance, stereotyped mannerisms, irrelevant and incoherent speech, disorganized thinking and poverty of ideas, and the senseless laughter and grimacing which characterize the hebephrenic.

## MENTAL SYMPTOMS SERIES: SCHIZOPHRENIA, SIMPLE TYPE DETERIORATED (McGH)

c-a 12 minutes B&W: \$2.15  
A female patient, psychotic for more than ten years, shows symptoms of apathy, indifference, inappropriate emotional reaction, gracelessness of posture, lack of ambition and initiative, and hallucinations.

## MENU PLANNING (C)

j-h-c-a 10 minutes B&W: \$2.15  
Discusses four things to keep in mind when planning a menu: the cost of food, the enjoyment of the entire family, the time available for its preparation, and the nutritive value. Shows how planning a menu in advance can save time and money.

## MERCHANDISING FRESH FRUITS AND VEGETABLES (USDA)

c-a 16 minutes Color: \$2.15  
Demonstrates effective retail merchandising practices for fresh fruits and vegetables. Stresses some of the merchandising principles recommended in the training classes for retailers sponsored by the U.S. Department of Agriculture for the purpose of reducing waste and spoilage losses, preserving freshness and nutritional values, and increasing sales.

## MERRY CHRISTMAS (SF)

i-j-h 14 minutes B&W: \$2.65  
The world-famed Vienna Boys' Choir sings many of the world's most-beloved Christmas carols. The boys are shown preparing for a festive Christmas party.

## MERRY CHRISTMAS (UW)

p 9 minutes B&W: \$2.65  
Catches the suspense, expectancy and excitement that amounts to the glorious day of December 25. Woodsmen in the forest hunt for trees; farmers fatten holiday turkeys; craftsmen perfect new presents for Junior and Sister; store windows blossom with moving displays; streets hum with shoppers. Finally the Eve of the great day arrives, and with it is Santa Claus himself.

## METAL CRAFT (EB)

j-h-c-a 10 minutes B&W: \$2.15  
Presents steps taken by a master craftsman in making a pewter bowl by spinning and shaping a blank for later soldering to a cast base. The craftsman then creates a bronze bowl by raising, smoothing, annealing, planishing and burnishing a blank disc. Methods of constructing a candlestick mold, inserting the core, pouring, removing and finishing the pewter cast are demonstrated. The designing, chasing, shaping, and soldering the sides and top of a jewel box are shown.

## METALS AND NON-METALS (C)

j-h 11 minutes B&W: \$2.15  
Accomplishes an instructional task for a specific science unit. This film contrasts physical properties of metals and non-metals. Animated sequences explain atomic structures and valence electrons and how they affect the forming of compounds. Alloys are discussed, as well as the functioning of metals as reducing agents and non-metals as oxidizing ones.

## METHODS ANALYSIS (INDUSTRIAL ORGANIZATION AND MANAGEMENT SERIES) (McGH)

c-a 9 minutes B&W: \$2.15  
Methods analysis is used to reduce production costs by increasing administration. The film shows a job analyst preparing a job specification that lists the skills and abilities required for the job, and analyzes several methods of job rating. The work of time study engineers is described.

## METHODS OF PROCESSING PLASTICS MATERIALS (UW)

h-c-a 25 minutes B&W: \$3.15  
Demonstrates fundamentals of the compression, transfer, extrusion, and injection molding methods; finishing of molded parts; fundamentals of lamination; and machining of laminated and other plastics products.

## METRIC SYSTEM, THE (C)

j-h 11 minutes B&W: \$2.35, Color: \$3.40  
The history of the metric system and its uses today are illustrated. English and Metric units are compared and the advantages of computations in the metric system are demonstrated.

## MEXICAN BOY: THE STORY OF PABLO (EB)

p-i 22 minutes Color: \$8.05  
A little Mexican boy tells, in his own words, how he worked to make a wish come true, then found he must choose between having his wish and seeing his family happy. Pablo's story is told in the colorful surroundings of the mountain village where he lives—in his one-room adobe house, his school and church, the exciting market-place, the patchwork of little fields, the forest, and the towering mountains all around.



**MEXICAN CHILDREN (EB)**

p-i-j 8 minutes B&W: \$2.15

Shows the home life of the Mexican child, his preparation for citizenship, kinds of recreation, the types of toys he plays with, his style of clothes, and his local travels and explorations. Can be used for motivating a number of classroom projects.

**MEXICO (HOP)**

j-h-c-a 9 minutes B&W: \$1.65

Mexico City's scenic wonders are given a travelog treatment. Also takes in the countryside surrounding Mexico City. Spanish narration.

**MEXICO (UW)**

j-h-c-a 10 minutes B&W: \$1.70

Gives glimpses of Mexico through short scenes taken in various parts of the country depicting the life and customs of the people and some of the important buildings in Mexico City. Edited in travelog style with background music.

**MEXICO (THIS WORLD OF OURS SERIES) (IFI)**

i-j-h 10 minutes Color: \$3.15

A short trip through the land of Mexico. Historical, geographical, industrial, and scenic highlights of the land.

**MEXICO CITY (UW)**

h-c-a 11 minutes Color: \$2.65

Shows cathedrals, modern hotels and parks of the city, the flower markets at Xochimilco, and the dance to the fire god during the fiesta.

**MEXICO, CIUDAD ENCANTADORA (IFB)**

j-h-c 20 minutes B&W: \$4.05

A travelog of Mexico City with simple Spanish commentary. Includes outstanding monuments and buildings, Xochimilco's floating gardens, and a bullfight featuring some of Mexico's outstanding matadors.

**MEXICO: GEOGRAPHY OF THE AMERICAS (C)**

i-j-h 11 minutes Color: \$3.40

Farmers, miners, cattle ranchers, factory workers and city dwellers of Mexico, and the relationships of these occupations to the varied geography of their country are shown. Designed to create a fuller understanding of the closest southern neighbor of the United States. Scenes on Mexican history and current affairs will stimulate further class discussion.

**MEXICO SERENADE (SF)**

j-h-c-a 10 minutes B&W: \$2.15

Includes a fiesta, music, and songs. Film is a delightful tropical treat.

**MEXICO Y SUS CONTORNOS (IFB)**

h-c 19 minutes Color: \$5.65

Depicts Mexico City and its surroundings. Shows sites of historical interest such as the Pyramids of San Juan, Sacred Heart Ruins, Church of Our Lady of Guadalupe, Castles of Xatutepec, the Alameda and Monuments of Juarez. Also visits the Palace of Art, Market Place of Pinatas, famous hotels and the national university. Spanish narration at the advanced level.

**MICE IN COUNCIL (UW)**

p-i-j 6 minutes B&W: \$1.20

The mouse is not scared of the cat, and the cat calls his bluff. There is a mad chase with plenty of laughs and excitement.

**MICHAEL DISCOVERS THE MAGNET (EB)**

p-i 11 minutes B&W: \$2.15

Michael uses familiar objects in his home to perform simple experiments and learns about magnetism. He puts on a show to demonstrate interesting things he has done with magnets.

**MICKEY AND SIMON LEGREE (BRF)**

general 5 minutes B&W: \$1.65

Havoc breaks loose as Mickey Mouse and his friends interpret Uncle Tom's Cabin.

**MICKEY AND THE GIANT (BRF)**

general 5 minutes B&W: \$1.65

Mickey climbs the beanstalk and has a struggle with the giant in the castle. When he escapes, he sets fire to the beanstalk and causes the giant to fall through the earth to China. Based on "Jack and the Beanstalk."

**MICKEY GIVES A PARTY (BRF)**

general 5 minutes B&W: \$1.65

A Mickey Mouse cartoon.

**MICKEY PLAYS SANTA CLAUS (BRF)**

general 5 minutes B&W: \$1.65

Christmas at Minnie's with tree trimming. A basket of kittens found at her doorstep wreck the house, strip the tree, and take gifts and candy.

**MICKEY'S TRICK HORSE (BRF)**

general 3 minutes B&W: \$1.65

Mickey is a jockey in a big race. Horse gets sick—so Mickey puts two stable boys in horse costume. Gag with hornets causes Mickey's horse to win.

**MICROBES (AL)**

j-h-c-a 10 minutes B&W: \$2.15

Shows the microscopic "world" of the microbes. Their shapes and sizes are so varied that they present a bewildering array of living creatures. It is all due to microphotography that we can examine some of these tiny living organisms—the polyps, amoeba, paramecium, and hard-shelled animalcules.

**MICROMETER, THE (USOE)**

h-c 14 minutes B&W: \$2.65

Depicts the various types of micrometers—outside, inside, and depth micrometers. Explains how micrometers are read and emphasizes their correct use and care.

**MICROORGANISMS: BENEFICIAL ACTIVITIES (IU)**

j-h-c 17 minutes Color: \$5.00

Animation and time-lapse photography are used to show the beneficial activities of microorganisms. Depicts their importance in the phases of the nitrogen cycle, sewage disposal, dairy industry, bread making, and production of antibiotics. Shows means by which they produce changes in their environment and cause the formation of new substances. Describes their role in basic research on human life processes.

**MICROORGANISMS: HARMFUL ACTIVITIES (IU)**

j-h-c 17 minutes Color: \$5.00

Discusses the harmful activities of microorganisms in disease and in decomposition of food. Depicts production of enzymes and toxins by bacteria. Cites the work of early scientists, discussing Kock's postulates and applying them to the study of a plant disease. Microphotography shows the body's defenses against bacteria. Presents the preparation of vaccines, pasteurization, water purification and ultra-violet radiation, stressing man's efforts to control harmful microorganisms.

**MICROORGANISMS THAT CAUSE DISEASE (C)**

j-h 11 minutes Color: \$3.60

A clear and comprehensive presentation of five kinds of pathogenic microorganisms, including fungi, bacteria, viruses, rickettsiae, and protozoa, this film stresses the concept that pathogenic microorganisms cause infectious diseases through destruction of cells. Animated diagrams, photomicrographs, and electromicrographs show the structures of various microorganisms and the results of various kinds of cell destruction.

**MICROSCOPE AND ITS USE, THE (YA)**

j-h-c-a 10 minutes B&W: \$2.15

A demonstration film explaining the basic parts of the microscope, its function, and its use. It explains thoroughly, step-by-step, the method of learning to operate and use the microscope properly. Attention is given to proper care of the instrument.

**MICROSCOPIC LIFE: THE WORLD OF THE INVISIBLE (EB)**

i-j 14 minutes B&W: \$3.15

Presents forms of microscopic life commonly found in a jar of ordinary pond water. Describes the basis of all life, protoplasm, and one-celled creatures and their plant and animal characteristics. Then shows many-celled animals which have a heart, liver, digestive tract and other organs found in more advanced forms of life.

**MICROSCOPIC WONDERS IN WATER (DPP)**

i-j-h 11 minutes Color: \$3.40

Microphotography is used to show typical microscopic animals which may be found in a drop of water.



**MICROWAVE OSCILLATORS (CAA)**

h-c-a 18 minutes B&W: \$2.15  
Explains the operation of the magnetron and klystron.

**MIDDLE DISTANCES (UW)**

j-h-c 11 minutes B&W: \$2.15  
Demonstrates the importance of sprinting techniques, ball of the foot running, automatic stride, and pendulum and bicycle stride.

**MIDDLE EAST (IFF)**

h-c-a 29 minutes Color: \$8.90  
Examines the social and economic conditions of the Middle East today. Shows details of family life, the contrast of the well-to-do intellectuals and the poverty of nomads and poor villagers, the struggle in the fields of health and agriculture, new highways, modern plants, fine housing and stores.

**MIDDLE EAST, THE (EB)**

i-j-h 14 minutes Color: \$3.90  
The lands and the people, their homes, natural resources, and industries are shown. Stresses the influence of geographical location, lack of rainfall and cultural tradition on the present development of the region.

**MIDDLE EAST: CROSSROADS OF THREE CONTINENTS (C)**

i-j-h 14 minutes Color: \$4.90  
Found here is a mixture of world peoples, cultures, and trade. This area is a potential oil center of the world. Scarcity of rainfall and water supply make it dependent on the outside world for food and water. These three points are the main ideas expressed.

**MIDDLE EAST—POWDERKEG ON THE RIM OF THE COMMUNIST WORLD (McGH)**

h-c-a 25 minutes B&W: \$4.90  
Gives a report on Egypt, Iran, Israel, Lebanon, and other countries of the Middle East where a propaganda battle is being waged between communism and Western democracy. Describes the increasing nationalistic spirit of these countries and the political and economic problems confronting them.

**MIDDLE STATES, THE (EB)**

i-j-h 11 minutes B&W: \$2.15  
Highlights typical scenes and activities in the middle states. Minnesota, Wisconsin, Michigan, Iowa, Illinois, Indiana, Ohio, and Missouri. Points out the region's important contributions to the national economy; traces the origins and distribution of population, and illustrates the unique balance between agriculture and industry.

**MIDGET CAR MANIACS (UW)**

general 10 minutes B&W: \$1.65  
Abbott and Costello run wild on a midget race track.

**MIDNIGHT RIDE OF PAUL REVERE (C)**

i-j 10 minutes Color: \$3.40  
Longfellow's poem presented in a costumed re-enactment in authentic settings. Relates the poem to history.

**MIDNIGHT RIDE OF PAUL REVERE, THE (EB)**

i-j-h 11 minutes Color: \$3.80  
After sketching the explosive situation that existed in the colonies in April of 1775, the film recreates the exciting episodes that occurred on the night of April 18; explains why Paul Revere's ride was a memorable incident in the events leading to the War for Independence and why it has become a symbol of resistance to tyranny.

**MIDSUMMER NIGHT'S DREAM, A: INTRODUCTION TO THE PLAY (C)**

j-h-c 14 minutes B&W: \$2.55, Color: \$3.90  
Key scenes from *A Midsummer Night's Dream*. Uses familiar passages and significant actions to illustrate the setting and plot of the play. Clarifies the way in which the characters act, their relationships to one another, and the language they speak.

**MIDSUMMER NIGHT'S DREAM, A (ACTS I, II, III. . . . LOVER'S SCENES) (UW)**

j-h-c-a 13 minutes B&W: \$2.80  
Shakespeare had a keen sense of humor. And here he shows the delightful plight of the lovers in this play and how he skillfully resolves their predicament.

**MIDSUMMER NIGHT'S DREAM, A (ACT V, SCENE 1. . . . PYRAMUS AND THISBE) (UW)**

j-h-c-a 13 minutes B&W: \$2.80  
It has been said that Shakespeare was equally adept at comedy as tragedy. The proof is in this excerpt portraying the hilarious skit put on by the servants for their lord. Performed by the Old Vic Repertory Company.

**MIGHTY COLUMBIA RIVER, THE (C)**

i-j-h 10 minutes B&W: \$2.15, Color: \$3.40  
Scenes of the work of the Bonneville and Grand Coulee Dams. The tremendous force and vitality that make the Columbia not only the largest river flowing into the Pacific, but also one of the world's greatest sources of hydro-electric power. It is also one of the world's important sources of fish.

**MIGHTY MOUSE RIDES AGAIN (UW)**

p-i-j 8 minutes B&W: \$1.70  
Three villainous cats invade the mice's picnic. Mighty Mouse hears the squeals and yowls just as the cats threaten to turn the picnic into a panic. He swoops down on the villains, and they lose most of their nine lives in flight.

**MIGRATION OF BIRDS: THE CANADA GOOSE (EB)**

i-j 11 minutes Color: \$5.00  
Tells the story of the Canada goose—nesting, raising the young, and migrating to winter quarters.

**MIKE MAKES HIS MARK (NEA)**

h-c-a 29 minutes B&W: \$4.65  
This is a story about a boy in trouble and a school that helps him before he takes out his resentments and frustrations on society. The school has a competent professional staff with student counseling that helps teenagers work out their mixed up ideas.

**MILK (EB)**

p-i 11 minutes B&W: \$2.15  
The story of milk from the dairy farm to the table. Use of machines is emphasized without stressing technical details.

**MILK MARKETING UNDER A FEDERAL LAW (SSF)**

c-a 19 minutes Color: \$2.15  
An explanation of the Federal milk marketing program carried down to the local level. Shows procedures followed by farmers in obtaining the marketing order, explains administration and operation of the program locally, and points out benefits of the program to farmers and consumers.

**MILKY WAY, THE (ISO)**

j-h-c-a 10 minutes B&W: \$2.25  
Various telescopic fields are studied to give a clearer understanding of what the Milky Way really is.

**MILKY WAY, THE (UW)**

i-j 14 minutes Color: \$4.70  
An expanding picture of the universe is portrayed as telescopic photography and animation illustrate what stars are and how they are formed.

**MILLING MACHINE, THE (USOE)**

h-c 7 minutes B&W: \$1.65  
Shows the functions, characteristics and basic operations of the milling machine.

**MILLING MACHINE OPERATIONS (USOE)**

h-c 15 minutes B&W: \$3.15  
Presents the operation of a milling machine in a simple, fundamental manner. The various types of cutters and the work that can be done on this machine are shown. Conventional and climb milling are explained and the reasons for each are given. Also shown are the various methods of holding work and precautions to be taken.

**MIMEOGRAPHING TECHNIQUES (BFS)**

h-c-a 15 minutes B&W: \$3.15  
Shows correct methods of typing stencils, operating machines, using the mimeoscope, and color mimeographing.

**MIND YOUR MANNERS (C)**

h 10 minutes B&W: \$2.15  
A high school boy and his sister discover the correct way to act when with friends, when meeting new friends, when



at home, at school, or on a date; and they learn the proper courtesy when driving an automobile, riding a bus, or walking on the sidewalk.

## MINERALS AND ROCKS (EB)

i-j 18 minutes B&W: \$3.45, Color: \$5.60  
This is a film on elementary geology. It describes three types of rocks: igneous, sedimentary, and metamorphic. Tests are made to identify and classify specimens in terms of color, streak, hardness, fracture, and chemical qualities. Depicts the importance of geology.

## MINIMUM TILLAGE (UI)

h-c-a 14 minutes Color: N.C.  
A true to life story of how the Reynolds family found out about minimum tillage and put it to work with a saving of \$6 for every load of corn they harvested.

## MINING IRON ORE (UM)

j-h-c 17 minutes Color: \$5.35  
Shows areas of Northern Michigan, Wisconsin, and Minnesota which produce most of our iron ore with scenes of the open-pit mining operations and processing techniques such as sluicing and sintering. Seen briefly is underground mining. Several geological specimens are studied. Methods used to sample and analyze the iron ore are depicted.

## MINOR REPAIR OF METAL COVERED WINGS AND CONTROL SURFACES (CAA)

h-c 30 minutes B&W: \$2.15  
Shows how a patch is made in the field on a wing damaged by shell fire—also the replacement of a stiffener. Shows application of various types of rivets and how a damaged rudder is repaired.

## MINT, THE (TFC)

i-j-h 10 minutes B&W: \$1.90  
The coinage plant at San Francisco. The process of coinage—the initial artist's design, making the plaster model by hand, reproduction of the finished bronze replica, transferring the design to the small die which strikes off coins, mixing metals, stamping, annealing, polishing, checking for defects, and counting the coins. *Restricted to Classroom Use.*

## MIRACLE FROM MOLD (SF)

j-h-c-a 9 minutes B&W: \$1.90  
The scientific story behind terramycin is presented.

## MIRACLE IN PARADISE VALLEY (SRC)

j-h-a 39 minutes B&W: \$1.90  
Theme of film is safety on the farm and in the home. Shows that many of the accidents occurring in both of these places are avoidable, and explains what should be done to prevent them.

## MIRACLE OF CASSINO (AFF)

h-c-a 11 minutes B&W: \$2.15  
Cassino, scene of some of the most destructive fighting of World War II, had to rebuild a levelled city from rubble. The miracle of Cassino is that, scarcely five years later, it is again a bustling city—more modern, more healthy than before.

## MIRACLE OF LIFE (AL)

j-h-c-a 11 minutes B&W: \$2.15  
By means of microscopic photography, the everlasting mystery of cell development, cell division, egg growth, insemination and life forms are vividly portrayed.

## MIRACLE OF MOSS (AL)

j-h-c-a 10 minutes B&W: \$2.15  
A wide variety of mosses are seen, and their reproduction is observed under the microscope.

## MIRACLE OF REPRODUCTION (SD)

i-j 17 minutes B&W: \$3.90  
Art drawings and live action photography show that all forms of life stem from a similar source—a tiny microscopic egg.

## MIRACLE OF THE TREES (IFB)

general 10 minutes Color: \$3.40  
Time-lapse photography shows how tree buds swell, burst open, and release miniature but perfect leaves and flowers.

## MIRACLE ON THE MESA (AS)

general 22 minutes Color: \$2.15  
Life of the Hopi tribe on the mesas of Arizona. In this dry climate, farmers raise corn and tend sheep while the women make pottery and do household chores. The eagle dance is performed.

## MIRACLES FROM AGRICULTURE (USDA)

h-c-a 13 minutes Color: \$2.15  
The story of high quality foods, when, where, and in the forms we want them—the result of efficient production and marketing; of farm products with new qualities for consumer and industry. It reports on today's marketing, processing, storing, transporting, and merchandising of food and other agricultural products. It emphasizes the role of research and agricultural services from farm to market to home or industry, and unveils some of the many products we can expect in the future.

## MIRROR IN THE SKY (McGH)

c-a 21 minutes B&W: \$4.10  
The story of the work of Hertz, Marconi, Preece, and Fleming and their contributions to science and the conquest of space. Chiefly, it is the story of Edward Appleton and his years of electronic exploration of the ionosphere and his experiments to demonstrate the existence of the Heavyside Layer and later, the Appleton Layer. The film shows many modern-day applications of the findings of these men which have resulted in great advances in radio, radar, electronic navigation and radio astronomy.

## MISERERE—ENGRAVINGS BY GEORGES ROUAULT (PFC)

j-h-c-a 14 minutes B&W: \$4.65  
The famous Georges Rouault's belief in the divine salvation and his resentment of war and bloodshed are expressed in 58 black and white prints entitled "Miserere et Guerre" (Misery and War).

## MISSION ACCOMPLISHED (OWI)

h-c-a 9 minutes B&W: \$2.15  
Story of the first all-American raid over occupied Europe. American crews, piloting their Flying Fortresses, attack railroad yards at Rouen and return safely to their base in England.

## MISSISSIPPI RIVER, THE: BACKGROUND FOR SOCIAL STUDIES (C)

i-j 13½ minutes Color: \$4.80  
Emphasizes the importance of the Mississippi as a drainage basin for more than a third of the continent, and indicates its geographic, commercial, and historic influence on its adjacent lands. By houseboat we follow the historically famous "Father of Waters" which forms a vast net of waterways, linking great agricultural and industrial areas with important cities and ports.

## MISSISSIPPI RIVER: LOWER RIVER (A)

general 14 minutes B&W: \$3.25  
Important features of the river from the junction with the Ohio River to its mouth at New Orleans. Its importance as a means of transportation, the danger of floods, and the river's importance to the agriculture of the central south region is shown. The river ports of Memphis and New Orleans are seen.

## MISSISSIPPI RIVER: UPPER RIVER (A)

general 14 minutes B&W: \$3.25  
A study of the river from its source to its central section near St. Louis, Missouri. Traces its course and its use by man, the operation of the dams and the locks built to improve navigation, and its importance to the cities of St. Louis and Minneapolis.

## MR. AND MRS. ROBIN'S FAMILY (C)

p-i 10 minutes Color: \$3.40  
A robin family from early spring until late fall. The activities of Mr. and Mrs. Robin as they raise two groups of fledglings.

## MR. BARNABY SLEEPS IN THE SKY (CAA)

j-h-c 25 minutes B&W: \$2.15  
An attempt to lampoon the common "fear" of flying. The film takes an amusing terrified and thoroughly exaggerated little man from his office to the airport and traces the growth of his confidence as he encounters the facts of air transport. Particular stress is laid upon the thoroughness of pilot selection and training.



**MR. CHAIRMAN (EB)**

h-e-a 13 minutes B&amp;W: \$2.90

Shows how parliamentary rules work to safeguard democratic decision-making. Demonstrates the rights and powers of the chairman and defines and explains the major motions and their priority in the conduct of business.

**MR. CHRISTIAN SEIZES THE BOUNTY (YOU ARE THERE) (CBS)**

j-h-e-a 27 minutes B&amp;W: \$5.85

April 28, 1789, H.M.S. Bounty, which sailed sixteen months ago for the South Pacific to collect breadfruit trees for British planters in the West Indies, is the scene of an historical mutiny. Mr. Christian, first mate of the ship, leads the mutineers against the despotic Captain, William Bligh, who is set adrift in a ship's boat with several crew members.

**MR. FARMER BUILDS A SEPTIC TANK (PCA)**

h-e-a 20 minutes Color: N.C.

Indicates the uses of water on the farm, particularly in getting rid of waste. Shows how a septic tank is constructed and how the tank works.

**MR. STICKLEBACK (AL)**

p-i-j 10 minutes B&amp;W: \$2.15

Shows the nesting habits of the stickleback fish wherein the male fish rears the young.

**MR. WITHERS STOPS THE CLOCK (SF)**

i-j-h-e-a 30 minutes Color: \$2.15

This film, produced by Paul Alley Productions for Air Transport Association of America, depicts some of the benefits an airport confers on a community.

**MRS. AND MR. PEACOCK (EB)**

p 10 minutes Color: \$3.40

With an original story and drawings by gifted nine-year-old Susan Elaine Chaput, an imaginary town comes to life. The story of the town of Onion and the vegetable-shaped people who live there is told by Susan with complete naturalness and conviction. Here is unique example of "creative expression" at its best.

**MITOSIS AND MEIOSIS (CONTINUITY OF LIFE) (IU)**

h-e 14 minutes Color: \$4.90

Shows the detail of these two types of cell division. Pictures the relationship of mitosis, meiosis and fertilization in the life cycle of common organisms.

**MITTENS, THE KITTEN (BACKGROUND FOR READING AND EXPRESSION) (C)**

p 10 minutes B&amp;W: \$2.15, Color: \$3.40

Creative expression is encouraged in this delightful story about a little girl and her kitten. Words are matched to scenes defining their meaning and children are aided in verbalizing their experiences.

**MIXER, THE (MFA)**

h-c-a 10 minutes Color: \$2.15

A young man dreams he is in a serious accident because he has failed to obey traffic rules. He learns that careless driving practices can only lead to trouble. Stresses the dangers of drinking while driving.

**MOANS AND GROANS (HR)**

p-i 19 minutes B&amp;W: \$2.65

The kids are trapped in a haunted house and are confronted by its occupant. The police, of course, aren't too helpful as the kids have to solve their problems in their own unique way.

**MOBILIZATION OF THE HUMAN BODY (ASF)**

e-a 14 minutes B&amp;W: \$3.45

Illustrates a series of stretches and pulls intended to loosen contracted fibrous tissues of the body through progressive stretching of the ligaments. Therapists use living models to demonstrate the exercises.

**MODERN ALCHEMY (THE ELEMENTS) (IU)**

h-c-a 27 minutes B&amp;W: \$5.65

Describes the isolation and identification of the four "missing elements": francium, technetium, astatine, and promethium.

**MODERN BASKETBALL (IHSA)**

j-h 25 minutes B&amp;W: \$2.15

An interpretation of the basketball rules demonstrated by skilled high school and university players. Included are: how the ball becomes alive; how the ball becomes dead; illustration of personal and technical fouls; violations; rights of player in possession of ball, player without the ball; feinting; screening; and air dribble.

**MODERN BUSINESS MACHINES (TAE)**

h-e 17 minutes B&amp;W: \$3.65

Demonstrates many automatic business machines which are not likely to be available in business education classrooms. Includes machines for dictation, filming, stenciling, lithography, etc.

**MODERN CHIPPEWA INDIAN (SM)**

i-j-h-e-a 11 minutes B&amp;W: \$2.15

Produced on Red Lake, Chippewa reservation in Minnesota, showing how they live and work.

**MODERN DANCE (UUH)**

j-h 15 minutes B&amp;W: \$3.75

A high school dance class demonstrates dance composition and technique. The girls compose a dance of their own.

**MODERN DANCE COMPOSITION (TH)**

h-e-a 12 minutes B&amp;W: \$2.60

Shows some of the techniques necessary for preparing the whole body for dance movement. Analyzes the elements of dance composition, and shows students how they can develop dances of their own, once they have an idea in mind. These points are then clearly illustrated in two dances entitled "Celebration" and "Lament."

**MODERN FRANCE: THE LAND AND THE PEOPLE (C)**

i-j-h 10 minutes B&amp;W: \$2.15, Color: \$3.40

France of today—from the wheat fields of Normandy to the steel mills of Nancy. Steel workers, grape growers, fishermen and truck gardeners are shown, bringing a modern approach to any study unit on France.

**MODERN GUIDE TO HEALTH (McGH)**

i-j-h-c-a 9 minutes B&amp;W: \$2.15

Done altogether in animation, it uses a cartoon-type presentation to discuss such health factors as posture, selection and care of clothing, and the importance of sleep and rest.

**MODERN HAWAII (REVISED) (C)**

i-j-h 10 minutes Color: \$3.60

The strategic position of the Hawaiian islands in the Mid-Pacific, their origin, settlement and industries are presented. Shows the important relationship between geography and geology and their effect upon the economy of Hawaii. Revised to include Hawaii as the 50th state in the Union.

**MODERN MEXICO (SM)**

i-j-h 9 minutes B&amp;W: \$2.15

Shows scenes of interest in Mexico City, Guadalajara, Vera Cruz, Tampico, and the Port of Progreso, in Yucatan. Also shows the architectural achievements, people, transportation, housing, education, harbors, and sports.

**MODERN PROSPECTOR (IFB)**

h-c-a 15 minutes B&amp;W: \$3.35

Airplanes, elaborate camera equipment, electromagnetic recording machines, gravity meters, ground current devices and a score of lesser modern tools of science aid the modern prospector in his search for valuable mineral ore deposits. While the lonely "sourdough" still travels by canoe or on foot and depends on his knowledge of woodlore to survive in remote regions, he searches only for traces of important ores, then files his claim and passes the job of pinpointing commercially profitable deposits to the team of skilled geologists, mineralogists, and technicians.

**MODERN SURGERY (McGH)**

h-c-a 20 minutes B&amp;W: \$3.15

Follows a patient through an operation for gallstones, showing surgical techniques, pre-operative and post-operative care, anesthetic techniques, surgical teamwork, and other things that go into safe, rapid surgical operations.



## MODERN WEATHER—THEORY AND STRUCTURE OF STORMS, PART I—PRIMARY CIRCULATION (UW)

j-h-c 18 minutes B&W: \$2.65

Explains by animation and maps the principle of the air currents created by tropical and polar regions and the deflection of these winds in terms of the earth's turning on its axis. Discusses prevailing westerlies, trade winds, and polar fronts.

## MODERN WEATHER—THEORY AND STRUCTURE OF STORMS—PART II—DEVELOPMENT AND CHARACTERISTICS OF ATMOSPHERIC WAVES (UW)

j-h-c 15 minutes B&W: \$2.65

Describes the restoration of equilibrium in the atmosphere by outbreaks and surges from the polar front, the development of warm and cold fronts and occluded fronts, and the progress of a typical atmospheric wave.

## MODERN WEATHER—THEORY AND STRUCTURE OF STORMS—WEATHER IN VARIOUS PARTS OF AN OCCLUDED WAVE (CAA)

h-c-a 23 minutes B&W: \$2.15

Describes characteristics of warm, cold, and occluded fronts. Shows the type of clouds associated with each type of front. Explains how the occluded front is produced and how to fly through one.

## MODERNIZING MARKETING FACILITIES (USDA)

h-c-a 29 minutes B&W: \$2.15

Shows the facilities used in bringing food from the farmer to the consumer and how both facilities and methods of handling are being modernized. A documentary with actual scenes of marketing activities, this film shows the operation of some of the largest perishable food markets and outlines how a typical city may solve the problem of modernizing or establishing new wholesale food markets. Shows both good and poor marketing facilities and methods of handling perishable farm products.

## MOHAMMEDAN WORLD: BEGINNINGS AND GROWTH (C)

j-h-c-a 11 minutes B&W: \$2.15, Color: \$3.40

History of the Mohammedan way of life—history, religion, politics, language, and art—and its impact on western culture. Filmed in Baghdad, Mosul, Damascus, Cairo, and Old Jerusalem.

## MOLDING WITH A GATED PATTERN (UW)

h-a 10 minutes B&W: \$1.65

What a gated pattern is and why it is used; how a match or fellow board may be used to simplify making a parting; how sand facing is prepared and used; and how and why some patterns are rapped through the cope.

## MOLDING WITH A LOOSE PATTERN (BENCH) (UW)

h-c-a 21 minutes B&W: \$2.90

Common bench holder's tools are identified. Shows how molding sand is prepared; how to face a pattern; how to ram and vent a mold; how to roll a drag; how to cut a sprue, runner, gates and riser; and, by animation, what takes place inside a mold during pouring.

## MOLDING WITH A SPLIT PATTERN (UW)

h-a 18 minutes B&W: \$2.90

Why split patterns are used; how ramming affects the permeability of sand in a mold; how to mold the drag and cope; how to reinforce a mold with nails; and how to patch a mold.

## MOLECULAR THEORY OF MATTER (EB)

j-h-c 11 minutes B&W: \$2.15

Evidence of molecular activity in gases, liquids, and solids is presented in support of the molecular theory of matter. Animated drawings explain such phenomena as the diffusion of gases, the evaporation of liquids, and the transformation of liquids into solids in terms of the theory. Features of the film are the machine gun illustration of the force exerted by molecules in action, and the microscopic view of the Brownian movement which is the direct evidence of molecular motion.

## MOLECULAR WEIGHT OF OXYGEN (CHEMISTRY LAB. SERIES) (C)

h-c 11 minutes B&W: \$2.15

The molecular weight of oxygen is determined by heating a weighed sample of potassium chlorate and causing the oxygen so produced to displace water from a flask. The volume of

the water, and thus of the oxygen, is measured. This volume is corrected to standard conditions. The loss of weight of the potassium chlorate is determined and the molecular weight of oxygen is calculated in the conventional way.

## MOLECULAR WEIGHT OF SOLUTES (CHEMISTRY LAB. SERIES) (C)

h-c 8 minutes B&W: \$1.95

Methods for the determination of molecular weights of non-volatile solutes are discussed. Two such determinations are made using an organic solvent and water, respectively. The conventional calculations are shown and discussed.

## MOLLUSKS (EB)

j-h-c 14 minutes Color: \$5.05

Discusses the five classes of mollusks, picturing their physical characteristics, reproduction processes, feeding habits, and ways of protecting themselves. Shows the special habitat in which each of these animals is to be found. Touches upon the ways in which members of the mollusk family are useful to man.

## MOLLY GROWS UP (MA)

j-h 16 minutes B&W: \$3.75

Presents the basic facts about menstruation with the story of a 13-year-old girl as she experiences her first menstrual period. Without being shocking, deals with the problems and information which girls want discussed.

## MOLLY VISITE SES COUSINS PARISIENS (F)

j-h-c 20 minutes Color: \$5.45

A French-language film. When Molly visits her Paris cousins, she joins them in visiting the market place, a cafe, the park, and many historical sites and museums. An excursion on the Seine is also included in the tour. This film can be used effectively after one term of French, as well as in more advanced levels, for language practice and as a basis for conversation.

## MOMENTS IN MUSIC (TFC)

general 10 minutes B&W: \$1.65

It's both Beethoven and boogie-woogie in this film, produced cooperatively by Hollywood's film-makers and the Academy of Motion Picture Arts and Sciences. Among the performers in scenes depicting a wide range of musical talent are Jose Iturbi, Lily Pons, Betty Hutton, Nelson Eddy, Jeanette MacDonald, Red Skelton, Betty Garret and Leopold Stokowski. Others include Xavier Cugat, Rise Stevens, Bing Crosby, Yehudi Menuhin, Harry James, Mario Lanza, Danny Kaye and Judy Garland. *Restricted to Classroom Use.*

## MONARCH BUTTERFLY STORY (EB)

general 10 minutes Color: \$3.40

Close-up photography depicts the Monarch laying its eggs, and enables us to observe the caterpillar eating its way out of the egg, feeding, molting, forming its chrysalis, and emerging as a butterfly.

## MONARCHS OF THE RING (1st EDITION) (OF)

h-c-a 9 minutes B&W: \$1.70

Highlights of the following fights: Carpentier vs. Dempsey; Willard vs. Firpo; Firpo vs. Dempsey; Paolino vs. Willis; Dempsey vs. Tunney; Louis vs. Schmeling; and Galento vs. Louis.

## MONARCHS OF THE RING (2nd EDITION) (OF)

h-c-a 9 minutes B&W: \$1.70

Highlights of the following fights: B. Baer vs. Doyle; Leonard vs. Tendler; Sharkey vs. Maloney; and Schmeling vs. Walker.

## MONARCHS OF THE RING (3rd EDITION) (OF)

h-c-a 9 minutes B&W: \$1.70

Highlights of the following fights: Carnera vs. Schaff; Tunney vs. Dempsey; Battalino vs. Chocolate; and Tunney vs. Carpentier.

## MONARCHS OF THE RING (4th EDITION) (OF)

h-c-a 9 minutes B&W: \$1.70

Highlights of the following fights: Firpo vs. Brennan; Ross vs. Patrol; Dempsey vs. Sharkey; Louis vs. Lavinsky.

## MONEY MUDDLERS (OF)

general 10 minutes B&W: \$2.15

Caught between two rival gangs, only Lou Costello and Bud Abbott could get out alive.



**MONKEY AND THE ORGAN GRINDER (C)**

p-i 10 minutes B&W: \$2.25, Color: \$3.40

Micko, the organ grinder's monkey, presented for the younger set. Micko runs off to play with the children while his master sleeps, but he returns home quickly after being scared by the noise and traffic of the city.

**MONKEY ON THE BACK (McGH)**

c-a 30 minutes B&W: \$5.65

An actual case history of a man who struggles against drug addiction for twenty years and finally dies from an overdose. Discusses causes and consequences of addiction for the individual and society.

**MONKEY TALE, A (BICYCLE SAFETY) (EB)**

p-i 9 minutes B&W: \$2.15

An unusual film from New Zealand containing amusing and effective illustrations of both safe and dangerous ways to ride bicycles. Demonstrations are performed by a family of monkeys.

**MONKEY WHO WOULD BE KING, THE (EB)**

p-i 11 minutes Color: \$3.40

A simple fable of a monkey who accepts the crown of the animal kingdom and then has to suffer the consequences. Many animals are candidates for the retiring lion's crown. The monkey wins, but the fox resents it and plots vengeance. The monkey learns that the responsibility of the crown is heavy.

**MONKEYS MEET THE PEOPLE (COF)**

p-i 10 minutes B&W: \$2.15

Tells the story of how the monkeys agreed to be seen and fed by people who came to see them in the jungle, rather than be caught and later confined in a zoo.

**MONONGAHELA (McGH)**

h-c-a 24 minutes B&W: \$5.15

Follows the course of the river through Pennsylvania and West Virginia and describes its complex system of locks and dams; pictures coal mines along its shores; life on the barges which carry the coal; social life of the boatmen, miners, mill workers, and farmers who live in the Monongahela Valley.

**MONOTYPE PRINTS (BFS)**

general 5 minutes Color: \$2.60

Prints are made by marking on glass with household cement, painting over the surface with a brush, and then smoothing paper over the design and removing the finished product. Many variations in the use of the materials are then demonstrated by adults and children.

**MONROE DOCTRINE (TFC)**

j-h 15 minutes Color: \$4.65

Against a background which shows the struggle of the United States to become free from European domination, this subject dramatizes the development of the Monroe Doctrine and the Congressional fight made by Clay and Webster for its establishment, and declaration by President Monroe in 1823. Instances of its application are shown in California (1845), Cuba (1852), Mexico (1868), Venezuela (1895) and Santo Domingo (1950). *Restricted to Classroom Use.*

**MONTANA (THIS LAND OF OURS SERIES) (IFI)**

i-j-h 9 minutes Color: \$2.70

Covers the mountains, grasslands, and farm lands of Montana, showing copper mining, sheep raising, and cattle raising.

**MONTREAL (NFBC)**

j-h-c-a 22 minutes Color: \$2.15

Reconstructs several sequences from history and gives an account of the city today.

**MOON, THE (EB)**

j-h-c-a 11 minutes B&W: \$2.15

By means of animation and other cinematic devices this film presents the story of the moon. The difficult concept of tides, the phases of the moon, the moon's orbit, the lunar month, sunrise and sunset on the moon, occultation of stars, the moon's path in space, lunar eclipses, and solar eclipses with special reference to the eclipse of 1932 are presented.

**MOON AND HOW IT AFFECTS US, THE (C)**

i-j 10 minutes Color: \$3.40

Telescopic motion pictures and photographs show the "seas," craters, and mountain ranges of the moon. Eclipses, the

moon's phases, and its effect on the earth's tides are clearly explained. Also described are the moon's size, movement, and distance in relation to the earth.

**MOONBIRD (COFI)**

p-i 10 minutes Color: \$3.80

The delightful adventure of two small boys who go out at night to catch the moonbird is told in this film. Here is the wonder and reality of childhood as though an adult world did not exist.

**MORE DANGEROUS THAN DYNAMITE (BFS)**

i-j-h-c-a 10 minutes B&W: \$2.15

Presents a lesson in fire safety, showing fire hazards starting from the use of an electric iron, frayed extension cords, cigar and cigarette stubs, using gasoline for cleaning clothes, etc.

**MORE DATES FOR KAY (C)**

h-c-a 10 minutes B&W: \$2.15

In order to get rid of the feeling of social failure, Kay learns that she must practice good grooming, develop a pleasing personality and make effort to be helpful and interested in others.

**MORE PROFIT PER ACRE (AJC)**

h-c-a 19 minutes Color: \$2.15

How one family turned a low productive farm into a thriving dairy farm by learning to make the best use of grass and grain for their newly acquired Jerseys.

**MORNING STAR (EB)**

j-h-c-a 33 minutes Color: \$10.15

Shows the hazards and hardships encountered in a sheep drive from the Salt River Valley in Arizona to the home ranch in the White Mountains. The "hero" is sheep herder Rosalio Lucero. Closes with the 23rd Psalm as scenes of the trip illustrate each phrase.

**MOROCCAN OUTPOST (McGH)**

h-c-a 17 minutes B&W: \$3.95

This film surveys conditions in the country today and introduces key figures in the present struggle.

**MOROCCO—TWO ARAB BOYS OF TANGIER (F)**

i-j-h 18 minutes Color: \$4.80

This film follows two boys as they go about their chores, shop in the stores of Tangier, meet friends and conduct their business. We see people buying yard goods, bread, vegetables and baskets in the market-places of the city. We spend a day in the country with the two boys and see many interesting sights and ruins.

**MOSAIC EXPERIMENTS (IFB)**

h-c-a 20 minutes Color: \$6.20

The art of mosaic provides opportunity for the widest means of creative expression. The possibilities of the mosaic medium are described and demonstrated. Not merely a "how-to-do-it" film, it deals not only with the techniques and basic elements, such as Smalti, Tesserae, and Blenko glass, but explores the creative aspects as the experience of creating is demonstrated and shared.

**MOSQUITO (EB)**

i-j-h 10 minutes B&W: \$2.15

Life cycle of the mosquito, traits and habits, disease-carrying characteristics, and steps for control are shown.

**MOSQUITOES AND MALARIA (EP)**

j-h-c-a 10 minutes B&W: \$2.15

Traces discoveries which revealed that mosquitoes are carriers of the malaria microbe and that the microbe emanates from the Anopheles mosquito. Presents the life of the mosquito, its breeding places, and the effect of its poison upon human blood.

**MOSSES' STORY, THE (UI)**

h-c-a 28 minutes B&W: N.C.

The Clarence Moss family of Edgar County, Illinois, had a traffic problem in the kitchen of their farm home. This film shows, in detail, how this problem was solved by extension specialists in home economics and home improvement.



## **MOST BEAUTIFUL CITY IN THE WORLD (WASHINGTON, D. C.) (PPC)**

**j-h-c-a** 17 minutes **B&W: \$2.15**  
John wins a trip to our capital, Washington, D.C. After arriving at Union Station, he visits the Capitol building. He then sees many historical buildings including the Senate office building, Supreme Court building, Congressional Library, Washington Monument, Lincoln Memorial, Department of Commerce Building, and the White House. John believes that everyone should have a chance to visit Washington, D.C., for it is a most beautiful city with all its historical background.

## **MOST FOR YOUR MONEY (McGH)**

**j-h-c-a** 14 minutes **B&W: \$3.85**  
The film illustrates the inherent faults in unplanned, impulsive buying and suggests the proper procedure for making an important purchase. The haphazard purchase of a sweater by a teen-age girl is followed by pronounced dissatisfaction with the article. Her brother, on the other hand, consults his parents, catalogues, friends, and consumer reports before making selection of a new tool.

## **MOTHER CAT AND HER BABY SKUNKS (EB)**

**p** 11 minutes **Color: \$3.80**  
A mother cat had adopted some orphaned baby skunks. The kittens and the baby skunks grew up together as members of the same family. One day mother cat took her kittens for a tree-climbing lesson. The baby skunks, not knowing any danger, wandered off to play in the woods. Mother cat found them in time and brought them back to the safety of her watchful eyes.

## **MOTHER DEER AND HER TWINS (EB)**

**p-i** 14 minutes **Color: \$3.80**  
In Springtime, the season of rebirth and new birth, many baby animals can be found in the forest. Here is the story of twin fawns, Fleet and Shy, from the ages of two days to nearly a year. Children learn how a mother deer cares for her babies, how she protects them from danger, and how the fawns learn to care for themselves.

## **MOTHER DUCK'S SURPRISE (McGH)**

**p-i** 7 minutes **B&W: \$2.15**  
Mother duck disappears from the backyard, and Father Duck searches for her. He finds her setting on her nest hatching a brand new family of ducklings.

## **MOTHER GOOSE ON THE LOOSE (UW)**

**p-i** 7 minutes **B&W: \$1.70**  
The sheep's in the meadow, the cow's in the barleycorn, and the fun becomes a riot with all the famous Mother Goose people in a great gag comedy.

## **MOTHER GOOSE RHYMES (BACKGROUND FOR READING AND EXPRESSION) (C)**

**p** 10 minutes **Color: \$3.40**  
Two children pay a visit to Mother Goose Land and meet many of the characters from her stories.

## **MOTHER GOOSE STORIES (STORYBOOK REVIEW) (IFB)**

**p-i** 11 minutes **B&W: \$2.15, Color: \$3.40**  
Mother Goose steps out of the nursery rhyme book and brings some of her favorite characters to life, including Little Miss Muffet, Old Mother Hubbard, Queen of Hearts, and Humpty Dumpty.

## **MOTHER HEN'S FAMILY (C)**

**p-i** 10 minutes **Color: \$3.40**  
Development of the chick embryo and the hatching of the egg. Presents elementary concepts of reproduction and growth.

## **MOTHER MACK TRAINS HER SEVEN PUPPIES (F)**

**p-i** 11 minutes **Color: \$3.00**  
At the beginning the seven baby puppies cannot see and are wholly dependent on the mother Scottie dog. We see them growing older, playing and fighting, and learning to take care of themselves. How to raise a dog and the importance of proper food, care, training, and exercise are stressed.

## **MOTHER MACK'S PUPPIES FIND HAPPY HOMES (F)**

**p-i** 11 minutes **Color: \$3.20**  
The puppies are placed in a city home, a farm home, a home with children, a home with an elderly couple, a Japanese home, a colored home, a rich home, and a poor home. Each of the puppies finds happiness in his new home because he is well-cared for and loved and because he feels he is needed.

## **MOTHER RABBIT'S FAMILY (EB)**

**p** 11 minutes **Color: \$3.40**  
From the day her babies were born, Mother Rabbit finds Hoppy to be especially curious. As Hoppy grows we see him learn to be a good rabbit even when his curiosity leads him into mischief. He almost falls prey to a hawk and he gets caught by two children, but his good mother brings him safely home again. While telling this simple story, the film also draws attention to some of the characteristics of rabbits.

## **MOTHS (EB)**

**i-j-h** 11 minutes **B&W: \$2.15**  
A large silk moth and the white-masked tussock moth are followed through their life histories.

## **MOTION STUDY APPLICATIONS (UIO)**

**c-a** 21 minutes **B&W: \$3.15**  
Technical film on common hand motions. How knowledge of motion economy leads to better and easier ways of working. Illustrated are: pin board assembly, folding cartons, assembling ice cube girds and inserting papers in mailing envelopes.

## **MOTION STUDY IN ACTION (UIO)**

**c-a** 21 minutes **B&W: \$3.15**  
Illustrates that principles of motion economy can be applied to almost any kind of manual work.

## **MOTION STUDY PRINCIPLES (UIO)**

**c-a** 21 minutes **B&W: \$3.15**  
Presents eleven principles of motion economy, with the following three applications to illustrate the principles: (1) bolt and washer assembly, (2) refrigerator doorknob assembly and (3) folding X-ray film packing papers.

## **MOTIONS OF A PLANE (CAA)**

**h-c** 8 minutes **B&W: \$2.15**  
What the pilot sees from the cockpit as he performs the three fundamental motions of a plane—yawing, pitching, and rolling.

## **MOTIVATING THE CLASS (McGH)**

**c-a** 17 minutes **B&W: \$4.15**  
Shows how a young student teacher teaches a mathematics class. His first lesson is a failure due to lack of interest by the students. An ensuing conference with his sympathetic supervising teacher guides him to plan for learning situations that will be of immediate concern to the young people. Practical applications, field work, motion pictures and posters are used to stimulate the study of mathematics.

## **MOTIVATION AND REWARD IN LEARNING (PSU)**

**c-a** 14 minutes **B&W: \$3.60**  
Pictures experimental demonstrations with white rats to illustrate the importance of motivation and reward in the learning process. Shows the trial and error in learning behavior.

## **MOTOR MANIA (WDP)**

**i-j-h-a** 6 minutes **Color: \$3.40**  
An animated film starring "Goofy" in the dual role of a pedestrian and driver. Shows the marked and appalling change that takes place in the average man when he finds himself behind the wheel of an automobile.

## **MT. RAINIER (EB)**

**i-j-h** 11 minutes **Color: \$3.70**  
Provides a geographic survey of one of America's great mountains. Tells the story of glaciers—how they are formed, how they move, how they carry debris—and illustrates the plant and animal life of Mt. Rainier at various altitudes.

## **MOUNT RAINIER NATIONAL PARK (AB)**

**i-j-h** 10 minutes **Color: \$3.20**  
Shows scenes of Mount Rainier National Park and of Mount Rainier itself, and describes its origin in volcanic action. Shows Yakima Park, Emmons Glacier and Nisqually Glacier and explains how glaciers affect the terrain they cover.

## **MOUNT VERNON IN VIRGINIA (McGH)**

**j-h-c-a** 21 minutes **B&W: \$4.15**  
This film shows Mount Vernon as the home of George Washington and describes the everyday life on the plantation in 1783. We see Washington in the role of gentleman farmer, plantation manager and husband. The camera moves up to the house, through the house and over the plantation to create the impression of a tour. The narration is based on Washington's own words as taken from his diary.



**MOUNTAIN BUILDING (EB)**

j-h-c 10 minutes B&amp;W: \$2.15

By employing animated drawings and models, this film reenacts significant events in geological history pertaining to mountains and movements of the earth's crust. Shows the subsidence of the mouth of the Hudson River to form the present harbor of New York; the events that have preceded the story of the Appalachian Mountains; and the story of the Lewis Overthrust in the Rocky Mountains.

**MOUNTAIN FARMERS (SWITZERLAND) (UW)**

i-j-h 21 minutes B&amp;W: \$4.15

By living with a typical family of the Emmenthal Valley of Switzerland, we see how this resourceful nation has developed a flourishing economy from high quality dairy products, abundant hydroelectric power, and the exploitation, for their tourist industry, of the very mountains themselves.

**MOUNTAIN OF FIRE (AL)**

j-h-c-a 10 minutes Color: \$3.90

Story of Mt. Etna in Sicily and the effects of its eruption on the people, villages and surrounding countryside.

**MOUNTAINS (PRIMARY GEOGRAPHY) (GA)**

p-i 10 minutes B&amp;W: \$2.15

Mountains are a very important part of our land. The forests below the timberline house wild animals and provide lumber for man's use. The melting snows give birth to rivers which irrigate valleys to feed our cattle and sheep. Mountains provide healthful recreation for all members of the family.

**MOUSE OF TOMORROW (MIGHTY MOUSE) (SF)**

p-i 6 minutes B&amp;W: \$1.70

There is a cat to every mouse in Catsville and only smart mice avoid cat-astrophy. One mouse gets into a Supermarket and has a Superfeast on Supercheese. It transforms him into a Supermouse.

**MOUSE TRAPPERS (ANDY PANDA) (UW)**

general 7 minutes B&amp;W: \$1.70

Papa Panda brags what a mighty hunter he is. Mama Panda is annoyed by a mouse, and Andy brings in a mouse trap. The mouse provides an exciting chase.

**MOUSIE COME HOME (UW)**

general 6 minutes B&amp;W: \$1.50, Color: \$2.40

The little mouse's antics drive Andy Panda and Milo away from home, and the mouse discovers he can't live without them after all.

**MOVEMENTS OF THE TONGUE IN SPEECH (IFB)**

h-c-a 17 minutes Color: \$3.40

Shows movements of the human tongue and lips during the speech of a male patient, part of whose right cheek was removed by a surgical operation.

**MOVIES ARE AN ADVENTURE (TFC)**

h-c-a 10 minutes B&amp;W: \$1.65

Excerpts from old and more recent feature films are used to illustrate how these pictures appeal to every member of the family and enable each to identify himself with the characters on the screen. *Restricted to Classroom Use.*

**MOVIES LEARN TO TALK, THE (20th CENTURY) (McGH)**

j-h-c-a 28 minutes B&amp;W: \$5.35

Shows the development of sound movies from early experiments with clumsy systems at the turn of the century to the "Jazz Singer" in 1927 and the polished and sophisticated sound film of today. The program includes glimpses of 34 personalities and excerpts from 12 silent and sound movies.

**MOVING DAY—TIMMY'S NEW NEIGHBORS (C)**

p 11 minutes B&amp;W: \$2.35

Designed to help the child realize that moving is a necessary and not unusual family activity and that attitudes of cooperation, interest, and friendliness help to make the family and child welcome in the new surroundings. We follow Timmy's family through the moving day and to their new home, where they meet their new neighbors and friends.

**MOVING THINGS ON LAND (CW)**

p-i 10 minutes B&amp;W: \$2.35

Moving things is so important in our society that many people have worked at ways to make moving easier and faster. The

various ways that people have devised to reduce friction are amusingly shown by the attempts of two children to move a heavy crate. Friction's usefulness is also dramatized by an imaginary excursion into a startling world where it does not exist.

**MOVING X-RAYS (AL)**

j-h-c-a 11 minutes B&amp;W: \$2.15

Demonstrates the application of X-rays on motion picture film. By using motion picture X-rays, we are able to watch all the actions inside of the human body. One of the greatest contributions of modern science has been put into practical use.

**MOZART AND HIS MUSIC (C)**

j-h-c 15 minutes B&amp;W: \$2.55, Color: \$3.90

Selections from Mozart's music, with backgrounds of Salzburg, where the gifted composer was born and acclaimed a child of genius, and of Vienna, where he later lived and composed.

**MUDDER AND FODDER (ABBOTT AND COSTELLO) (UW)**

general 9 minutes B&amp;W: \$1.70

When a Mudder isn't a Mother and a Fodder really isn't a Father, there is bound to be plenty of confusion. Bud Abbott, Lou Costello, and Leon Errol tangle in this mirthful film.

**MULTIPLICATION IS EASY (C)**

i 10 minutes B&amp;W: \$2.15

This film demonstrates the procedure of multiplication, shows why this process is important to know, and shows the main steps in learning how to multiply.

**MULTIPLYING FRACTIONS (KB)**

i-j 10 minutes B&amp;W: \$2.15

Multiplication of fractions is illustrated by practical application—apples and kitchen recipes.

**MUMS THE WORD FOR YEAR ROUND PROFIT (GJB)**

c-a 18 minutes Color: \$2.15

Tom, a florist, is introduced to a year round plan for growing chrysanthemums. Shows varieties and ways of growing mums.

**MURDER ON THE SCREEN (E)**

h-c-a 20 minutes Color: \$4.15

A humorous story about a "detective's" efforts to track down the guilty person who committed a "murder." The victim is a new film that had been sent to a T.V. station for showing. During the questioning of those who handle the films we learn about proper film care and misuse. The crime is not solved for everyone claims innocence but the suspects are warned to be careful in the future for they will be watched.

**MUSCLES AND BONES OF THE BODY (C)**

i 11 minutes Color: \$3.60

Using a human skeleton from his classroom, an anatomy student explains to his younger brother that the skeleton is the framework of the body. Throughout the film the different types of muscles, bones, and joints are shown, and their functions are explained. In addition to a basic lesson in anatomy, the film encourages proper care of muscles and bones by giving sound rules for diet, exercise, and rest.

**MUSCULAR SYSTEM (UW)**

j-h-c 11 minutes B&amp;W: \$2.15

A human model demonstrates the action of muscles in maintaining body posture in standing and moving positions. As the model moves, animated diagrams and X-ray photography are superimposed on it. Arm movement is shown through action of biceps, triceps, and related muscles. The position, attachment, function of muscle related to bones and joints are explained.

**MUSEUM OF ART (UW)**

j-h-c-a 27 minutes Color: \$6.45

Describes the role of art museums in communities throughout the United States, and show examples of art treasures on public display.

**MUSEUM OF SCIENCE AND INDUSTRY (UW)**

general 14 minutes B&amp;W: \$2.00

A field trip to the famed Museum of Science and Industry in Chicago—the exhibits of a coal mine, a steel rolling mill, and a model farm. An aid in understanding the relationship between scientific principles and industrial achievements.



## MUSIC AND ARCHITECTURE THROUGH THE AGES (UW)

**h-c-a** 15 minutes **B&W: \$3.95**  
Shows how the development of musical instruments and instrumentation parallels the evolution of art and of architectural forms. The constant use of montages and dissolves creates visual variety. The splendors of gardens, fountains and buildings at Versailles are shown.

## MUSIC: CAREER OR HOBBY (C)

**h** 10 minutes **B&W: \$2.15**  
A music teacher, a guidance counselor, professional musicians, and an arranger advise one boy as the youth investigates the possibilities of a career in music.

## MUSIC FOR YOUNG PEOPLE—PROGRAM #1 (INTRODUCING THE WOODWINDS) (IU)

**i-j-h-c** 23 minutes **B&W: \$5.15**  
Describes and illustrates the musical characteristics and operating principles of the woodwind instruments. Members of the New York Woodwind Quintet introduce a young audience to the flute, piccolo, bassoon, oboe, clarinet, and the French horn. Four compositions are performed to demonstrate the sounds of the various instruments. Music includes Milhaud's *The Hunting Scene*, von Weber's *Rondo in Hungarian Style*, Mousorgsky's *Ballet of the Unhatched Chickens*, and Reicha's *Movement from Quintet in E flat*, opus 88, No. 2. Introductory remarks by Yehudi Menuhin.

## MUSIC FOR YOUNG PEOPLE—PROGRAM #3 (INTRODUCING THE BRASSES) (IU)

**i-j-h-c** 23 minutes **B&W: \$5.15**  
Describes and illustrates the musical characteristics and operating principles of brass instruments. Members of the New York Brass Quintet introduce a young audience to the trumpet, trombone, French horn, and tuba. In addition to short and familiar passages, five compositions are performed to demonstrate the sounds of the various instruments. Music includes Pezels *Suite for Brass*, Saint-Jacome's *Duet #6* (Fugato), Spezzaferri's *Preludio e Fuga*, Bach's *Two Chorales*, and Gabrielli's *Canzona per Sonare*. Narrated in part by Thomas Scherman.

## MUSIC FOR YOUNG PEOPLE—PROGRAM #5 (PERCUSSION, THE PULSE OF MUSIC) (IU)

**i-j-h-c** 23 minutes **B&W: \$5.15**  
Describes and demonstrates the sounds, characteristics, and uses of representative percussion instruments. A young audience, led by members of the New York Percussion Trio, learns that organized clapping can be music. Members of the Trio demonstrate wooden, skin-covered, and metal percussion instruments. The audience joins the Trio in a mambo showing how music can be made with some percussion instruments without long practice. Music includes Nagel's *Prelude and Dance*, Kabelevsky's *Dance of the Comedians*, Portal's *Sweet and Gentle*, and an excerpt from Saint-Saen's *Samson and Delilah*.

## MUSIC FOR YOUNG PEOPLE—PROGRAM #6 (THE ELEMENTS OF COMPOSITION) (IU)

**i-j-h-c** 27 minutes **B&W: \$5.65**  
Defines and explains melody, harmony, rhythm, and counterpoint to a young audience with demonstrations by the New York Woodwind Quintet. Emphasizes that melody is full of character, the addition of harmony makes music complete, rhythm is of many kinds and can be felt, and listening to counterpoint is like following a conversation. Music played includes the folk melody, *Watermelon Song*, Guion's *Harmonica Player*, Telemann's *Duet* (performed by two young students), Wilder's *Fugue from Quintette for Woodwinds*, and excerpts from Dvorak's *New World Symphony* and Villa-Lobos's *Quintette*.

## MUSIC IN AMERICA (McGH)

**j-h-c-a** 18 minutes **B&W: \$3.55**  
Features such outstanding musical personalities as singer Marian Anderson, composer George Gershwin, bandsman Benny Goodman, violinist Mischa Elman, conductor Serge Koussevitsky, and others. It traces how jazz, originally derived from Negro folk music, has in turn become the source for the works of serious composers. This film attempts to intensify interest in music and create a better understanding of its place in the culture of our nation.

## MUSIC IN THE WIND (SF)

**j-h-c-a** 9 minutes **B&W: \$1.65**  
Short version of *SINGING PIPES*. Follows the history of organ building from the foot-pump and hand-bellows models to the latest electrically operated pipe organ. Presents Dr. Healey Willau playing Bach's *Toccata and Fugue in D Minor*.

## MUSIC OF INDIA (I)

**j-h-c-a** 15 minutes **B&W: \$2.15**  
How most of India's musical instruments are classified in four groups: tat—stringed instruments; Sushir—wind instruments; Avanah—the drums; and Ghan—other percussion instruments. The Been, Veena, Sarangi, Sarodd, Sitar and Table are played.

## MUSIC READING (JHP)

**p-i** 20 minutes **B&W: \$4.05**  
Demonstrates the step-by-step development of music reading from the kindergarten class to the group that reads notes. Shows kindergarten and third-grade music learning situations and a fifth-grade group learning a new song by reading notes.

## MUSICAL INSTRUMENTS OF INDIA (I)

**h-c-a** 12 minutes **B&W: \$2.15**  
Identifies a number of India's musical instruments and gives brief examples of their tone and melodic possibilities.

## MUSICAL INSTRUMENTS: THE STRINGS (M)

**i-j-h** 10 minutes **B&W: \$2.25**  
Shows construction of the violin, viola, cello, and double bass, and presents solo and ensemble performances making clear the total contributions of each instrument.

## MUSICAL NOTES (UW)

**j-h-c** 11 minutes **B&W: \$2.15**  
Principles of vibrations such as frequency, amplitude, pitch and quality are demonstrated with notes from string, wind, and percussion instruments. Uses a sonometer and special photography to explain the laws of strings—length, tension, and diameter. Quality of notes as related to profile of sound waves is shown with the microphone and oscillograph. Principles governing overtones are explained.

## MUSICAL PERFORMANCE IMPROVEMENT FOR THE SNARE DRUM (UWI)

**i-j-h** 22 minutes **B&W: \$3.75**  
Gives a series of demonstrations of the major techniques for performing on the snare drum. An acknowledged instructor shows the drummer how to analyze and correct his errors and thus improve his performance.

## MUSSOLINI (20th CENTURY) (McGH-CBS)

**h-c-a** 27 minutes **B&W: \$5.35**  
The film story of this man who, as a dictator, brought his country to a better standard of living and national pride and then plunged into war with the resulting defeat and destruction.

## MUTINY ON THE BOUNTY (FI)

**j-h-c-a** 42 minutes **B&W: \$8.00**  
Tells the story of the struggle between Captain Bligh and his men during the days in British maritime life when the members of the crew were harshly treated by their officers in command. The struggle finally results in the establishment of wholesome relationships aboard ship.

## MY CHILD IS BLIND (UW)

**h-c-a** 20 minutes **B&W: \$3.15**  
Shows how a blind child, given patient treatment and proper training at a special nursery school for blind children, can be taught to do many things normal children do.

## MY NAME IS HAN (BFC)

**j-h-c-a** 27 minutes **B&W: \$6.15**  
Han and his family come home after the war in China to till again the ancestral soil, but they arrive to find their home a shambles and their land devastated. Han's wife is a Christian, but he, at first, cannot understand the "foolishness" that prompts his Christian friends to leave their fields to toil in his.

## MY TRIP ABROAD (AFF)

**h-c-a** 10 minutes **B&W: \$2.15**  
When Mrs. Roosevelt travelled to Oslo to unveil a statue of her late husband, she made her trip the occasion to inspect post-war reconstruction throughout Europe. Visiting Norway, Sweden, Finland, Denmark, Holland, France, and England she noted the various ways in which the Marshall plan has been used in each to aid recovery. Mrs. Roosevelt, who narrates the film herself, stresses the interdependence of the nations of Europe.

## MYRA HESS (BIS)

**general** 9 minutes **B&W: \$2.15**  
Myra Hess, pianist, plays the first movement of the Beethoven *Sonata in F Minor* (The Appassionata).



**MYSTERIES OF WATER (KB)**

**i-j-h** 10 minutes **B&W: \$1.90**  
 Water is treated here as a chemical and as a kind of food. Shows water behaving as man's friend; a worker; a builder; and in turn, as his enemy and destroyer. Both natural and animated photography are used. It is intended to give the students a survey of the various ways in which water affects our earth.

**MYSTERY OF EDWIN DROOD (TFC)**

**j-h-c-a** 44 minutes **B&W: \$5.15**  
 Excerpt from the feature film of the same title, based on the novel by Charles Dickens. *Restricted to Classroom Use.*

**MYSTERY OF THE SUN (CAR)**

**j-h-c-a** 25 minutes **B&W: \$5.10**  
 Presents research findings relative to the influence of the activity of the sun's corona on radio transmission on earth. Shows how radio fade-out is caused by X-ray emissions from the corona at the time of solar flares.

**MYSTERY OF TIAHUANACU (SM)**

**j-h-c-a** 11 minutes **Color: \$4.70**  
 Claimed by archaeologists to be 11,000 years old—perhaps the most ancient city in the world—Tiahuanacu is set bleakly on a wind-swept plateau high in the Bolivian Andes. Now twelve miles from Lake Titicaca, it was once at the water's edge. How long ago Tiahuanacu was built and where its people went are part of the mystery this film reveals.

**MYSTERY OF TIME (MIS)**

**h-c-a** 40 minutes **Color: \$11.95**  
 A glimpse of what lies beyond our own space-time continuum. The high-speed and time-lapse cameras help free us from time as we see common events of life in new perspective as time is stretched or compressed. Yardsticks shorten and clocks and human heartbeats slow down as the laboratory is "accelerated" to nearly the speed of light in a unique audio-visual presentation of the elements of the theory of relativity. This is basically a science film, but has strong overtones for philosophy and the strengthening of moral and spiritual concepts.

**MYTH, SUPERSTITION AND SCIENCE (IFB)**

**p-i-j** 13 minutes **Color: \$4.70**  
 Bob explains to his sister the fallacy of superstitious thinking and helps her understand that myths and superstitions are not reliable since they are not based on proven fact. We see how the mirror superstition originated; how myths of strange-looking animals—the winged Pegasus, fire-breathing dragons and centaurs—took root and spread because of ill-founded "eyewitness" reports. To deflate popular weather superstitions, Bob ushers his sister through a modern weather bureau to see how meteorologists forecast weather.

**NACA RESEARCH (CAA)**

**h-c** 19 minutes **Color: \$2.15**  
 This film offers a general overview of research work carried on by personnel of the National Advisory Committee for Aeronautics and shows some of the NACA facilities which are utilized in its research programs.

**NAGANA (USDA)**

**h-c-a** 21 minutes **Color: \$2.15**  
 This film shows the distribution of Nagana, an acute or chronic infectious disease of domestic animals in Africa. It describes and shows the symptoms, means of diagnosis, and control measures. Tsetse fly, the true host of parasites for the disease, is studied in detail and methods for controlling it include eradicating fly-breeding areas, reducing wild game, using insecticides by air spraying, and by dipping animals in solutions.

**NAME UNKNOWN (SD)**

**j-h-c** 10 minutes **B&W: \$2.15**  
 Intended to warn boys and girls against becoming victims of sex criminals. Through several episodes—a lovers' lane, baby sittings, and a pickup—teen-age boys and girls come to understand why it is much better to be aware of possible perils and avoid them, than to take dangerous chances.

**NANCY HANKS (LINCOLN SERIES) (McGH)**

**h-c-a** 28 minutes **B&W: \$5.65**  
 Records the hard life experienced by the American backwoods families and the Lincoln family in particular. Shows young Abe crushed by his mother's death and this principal void in his life slowly filled by Tom Lincoln's second wife, Sally Bush Lincoln.

**NANOOK OF THE NORTH (ATH)**

**j-h-c-a** 52 minutes **B&W: \$10.40**  
 Eskimo communal life is studied through Nanook, a typical man in the Eskimo society. Set in the Hudson Bay territory. Nanook is shown as family man, member of the village and hunter.

**NAPOLEONIC ERA, THE (C)**

**j-h-c** 14 minutes **Color: \$4.20**  
 A retired army officer who served with Napoleon recalls the momentous Napoleonic Era of 1796-1815 and its effects upon France and Europe. Shows scenes typifying Napoleon's rise to power, his governmental reforms in France, his conquests, and finally, the disintegration of the Grand Empire in a rising wave of European nationalism.

**NAPOLEON'S RETURN FROM ELBA (YOU ARE THERE) (CBS)**

**j-h-c-a** 28 minutes **B&W: \$5.65**  
 The lives of millions of people were affected by the man who wins himself a brief, last moment of triumph when he returns to French soil to lead his small army.

**NATION IS BORN, A (McGH)**

**j-h-c-a** 20 minutes **B&W: \$3.75**  
 Comprehensive motion picture report on the fledgling Philippine Republic. Traces the thrilling story of Filipino resistance throughout World War II, and the problems facing the government.

**NATION IS FIFTY, A (McGH)**

**j-h-c-a** 17 minutes **B&W: \$3.85**  
 Shows events in recent politics including the overthrow of the Socarras government of Fulgencio Batista, recalls events from Cuban history and shows principal cities of the 50-year-old Republic of Cuba.

**NATIONAL 4-H CLUB CONGRESS (ASF)**

**j-h-c-a** 31 minutes **B&W: \$2.15**  
 Ronnie and Susan go to the 4-H convention in Chicago because of winning a contest in their district. This five-day, all-expense-paid trip is filled with many interesting and educational events, sight-seeing, entertainment, and talks by top men in business.

**NATIONALISM (EB)**

**j-h-c-a** 20 minutes **B&W: \$4.15**  
 Defines nationalism and traces its growth as one of the most powerful forces in the modern world. Explains the three phases of nationalism. Points up nationalism as a force both for progress and regress in the modern world. Emphasizes the need today for directing constructive aspects into international understanding as the basis for world peace.

**NATIONALS, THE (CAA)**

**i-j-h-c** 14 minutes **Color: \$2.15**  
 Depicts the activities of The Nationals of Model Airplane Flying held at Olathe, Kansas, and featuring the PAA-Load Event. Through closeups of the various planes entered in the meet, one gains a real appreciation of the craftsmanship and ingenuity that went into their construction. Scenes include take-offs and landings of model land planes, seaplanes, jets, and those which are radio-controlled.

**NATION'S BUILDING STONE, A (ILI)**

**j-h-c-a** 17 minutes **B&W: \$2.15**  
 Actual quarry and mill scenes and photographs of many buildings over the country demonstrate the adaptability of limestone to all types of construction.

**NATION'S CAPITAL, THE (McGH)**

**j-h-c-a** 14 minutes **B&W: \$2.85**  
 Shows the daily life of a congressman in Washington, and the many complex departments and bureaus of the federal government. Includes scenes of the Washington Monument, Lincoln and Jefferson memorials, Arlington Cemetery, the tomb of the unknown soldier, and inside views of the White House.

**NATION'S MENTAL HEALTH (McGH)**

**c-a** 19 minutes **B&W: \$3.90**  
 Shows the facilities for training doctors and psychiatric personnel in three hospitals in Topeka, Kansas; the various methods of therapy for psychiatric patients and the work of the National Association of Mental Health in helping communities to set up mental health clinics.



**NATION'S SEARCH FOR GRASS, A (KB)**

j-h 11 minutes B&amp;W: \$2.15

The herdspeople of Iran, their homes and their flocks and how each year they drive their flocks over snow-covered mountains to summer grasslands. Taken from the epic "Grass."

**NATIVITY, THE (ABS)**

j-h-a 18 minutes B&amp;W: \$4.15

Reconstruction of the events surrounding the birth of Christ, from the Annunciation to the coming of the three Kings to Bethlehem.

**NATO ACTION FOR DEFENSE (UW)**

h-c-a 20 minutes B&amp;W: \$3.15

The threat of Communism is given a full treatment in this collective security analysis. This alliance has been formed to combat the threat in Europe and the Mediterranean basin. Origin and purposes of the NATO organization; vivid scenes of the joint training exercises in Europe in 1951.

**NATURAL RESOURCES OF THE PACIFIC COAST (C)**

i-j-h 10 minutes B&amp;W: \$2.15, Color: \$3.40

The Pacific Coast overflows with a richness of natural resources. The magnitude of its lumbering, fishing, farming and mineral industries can be seen in true-to-life vividness.

**NATURE OF COLOR (C)**

j-h-c-a 10 minutes Color: \$3.60

Beginning with a view of a rainbow, the film presents in logical sequence an explanation of the nature of color in physical terms. Closing scenes apply color principles in the arts, color printing and photography.

**NATURE OF ENERGY (C)**

i-j-h-c-a 10 minutes B&amp;W: \$2.15, Color: \$3.40

Shows the relationship of atomic energy to other forms of energy and provides the basis for understanding units of advancements and the specialized units of electricity, sound, light, and heat.

**NATURE OF HEAT (C)**

j-h 10 minutes B&amp;W: \$2.15

Shows how heat is transferred by using demonstrations and animations. Offers questions designed to promote discussion and experimentation.

**NATURE OF LIGHT (C)**

j-h 9 minutes B&amp;W: \$2.15, Color: \$3.40

Two boys on a fishing trip make practical use of what they learn about light. From their study of a near-by lake, they learn that light is a form of radiant energy producing the sensation of sight, and they also discover the principles of reflection and refraction.

**NATURE OF SOUND (C)**

j-h 11 minutes B&amp;W: \$2.15

Treats the physics of sound with illustrations, animations, and in motion in order to aid the students to gain better understanding of its origin and concepts.

**NATURE'S ENGINEER—THE BEAVER (WLF)**

general 9 minutes Color: \$3.00

An object lesson in industry, conservation, and thrift. Shows how beavers build their dams and lodges, raise their young, and train them to move on and build their own communities. Shows how this wild-life engineer closes his lips behind his teeth for gnawing and how he uses the strange split third toe on his hind foot. Also shows brief sequences on beaver's friends and enemies—moose, deer, geese, the rare sand tall crane, the coyote, black bear and grizzly bear.

**NATURE'S HALF ACRE (WDP)**

i-j-h 33 minutes Color: \$10.15, one day

The strange and wonderful world beneath our feet, under leaf, log and rock . . . peopled by millions of weird and fascinating creatures . . . where dragons the size of ants wage war in a teacup size arena . . . and the blooming of a single flower comes with the glory of a sunrise. 2 days—\$15.15, 1 week—\$25.15.

**NATURE'S SONGSTERS (SPI)**

j-h-c-a 9 minutes B&amp;W: \$1.75

Songs and habits of a number of American birds were recorded and photographed in their natural surroundings under the super-

vision of Arthur Allen of Cornell University. Includes the white heron, wood thrush, snowy plover, hummingbird, eagle, burrowing owl, marsh hawk, and mocking bird.

**NAUGHTY MARIETTA (TFC)**

general 33 minutes B&amp;W: \$5.15

A classroom version of an MGM motion picture. A princess (Jeanette MacDonald) flees to Louisiana to escape a distasteful marriage at the Court of Louis XV. In New Orleans, she falls in love with a soldier of fortune (Nelson Eddy). *Restricted to classroom use.*

**NAVAJO CANYON COUNTRY (AV)**

j-h-c-a 11 minutes Color: \$3.80

The rugged Navajo homeland has influenced tribal history, homes, economy, and transportation. The camera explains the shaping of the Canyon Country by erosion and pictures prehistoric petroglyphs and ruins. By horse and wagon, the usual means of travel, we visit a hogan, a home built of mud and logs. Tribal economy is based on sheep.

**NAVAJO CHILDREN (EB)**

p-i-j 10 minutes B&amp;W: \$2.15

Experiences of a Navajo boy and girl in moving with their family, household effects, pets, horses, sheep and goats, from winter quarters to summer home. As they journey by wagon, we hear them sing native songs, and watch the boys hold a marksmanship contest with bows and arrows. At their destination, planting crops, caring for their sheep and goats, and rug weaving are among activities shown.

**NAVAJO COUNTRY (UM)**

i-j 9 minutes Color: \$3.40

A beautiful story of Navajo life as it is related to their pastoral existence. Shows the people, their homes and their environment. Sequences on the technique of Navajo rug and blanket weaving and scenes depicting Navajo jewelry are included.

**NAVAJO INDIAN (C)**

p-i-j 10 minutes Color: \$3.15

Portrays the Navajo daily life. Shows arts and crafts—especially silver work and weaving. Native habitat, customs and ceremonies are interwoven into the story.

**NAVAJO INDIANS (EB)**

i-j-h 11 minutes B&amp;W: \$2.15

Geographic environment, activities, and customs of the Navajo Indians. Shows their tasks and leisure pursuits, their cooking, weaving, and gardening; and the experiences of a Navajo mother at a trading post. Silversmithing, bartering, home building, a native dance, conversation, music, a Navajo wedding ceremony and feast are some of the activities shown.

**NAVAJO INDIANS OF THE PAINTED DESERT (BFS)**

i-j-h 10 minutes B&amp;W: \$2.15

Story of the primitive Navajo Indians of the Painted Desert of northern Arizona. Shows the strange mode of life of these nomads, their weird beliefs and superstitions, their fear of night witches and demons. Includes scenes of shepherd boys guarding their flocks with bow and arrow and intimate scenes of family life.

**NAVAL WARS WITH FRANCE AND TRIPOLI (HISTORY OF THE U. S. NAVY) (AFS)**

j-h-c-a 28 minutes Color: \$3.65

Relates the conditions leading up to the major campaigns of the naval wars with France and Tripoli. Points out the reasons for U. S. failure to support France in Europe—the preying upon American shipping by French privateers. Describes the development of a stronger navy to combat these privateers. Shows events leading to the U. S. war with Tripoli and its successful conclusion following capture of Tripoli in 1805.

**NAVIGATION: AERIAL MAP READING (CAA)**

h-c 22 minutes B&amp;W: \$2.15

How to read aerial maps and the use of landmarks and features in finding position are studied. Briefly touches on changing seasons, features to look for at sea, night flying, and flying when lost. Plots a course from Corpus Christi to Sabine Pass, determines ETA using landmarks in the demonstration.

**NAVIGATION: CHARTS (CAA)**

h-c 19 minutes B&amp;W: \$2.15

Employs animated diagrams and some straight photography to explain the meaning, advantages, and limitations of Mercator, gnomonic, and Lambert Conformal projections.



**NAVIGATION: DEAD RECKONING (AIR) (CAA)**

**h-c** 33 minutes **B&W: \$2.15**  
Shows ground track, air track, wind effect, correction angle, drift angle, establishment of wind direction and velocity by both grid method and drift method and principles underlying each.

**NAVIGATION: NAUTICAL ASTRONOMY (CAA)**

**h-c** 22 minutes **B&W: \$2.15**  
Animation is used to show how the celestial coordinates are placed in relation to the earth. Describes how declination, zenith point, nadir line, and June and December solstices are used in celestial navigation.

**NAVIGATION: STAR IDENTIFICATION (CAA)**

**j-h-c-a** 15 minutes **B&W: \$2.15**  
The apparent movement of the stars across the sky is discussed briefly. Twenty-three navigation stars, including Duthé, Polaris, Arcturus, Spica, Regulus, Vega, Betelgeuse, Sirius and several important constellations are located.

**NAVIGATION: THE EARTH (CAA)**

**j-h-c** 15 minutes **B&W: \$2.15**  
Explains the arrangement and meaning of the poles, great circles, parallels, meridians, longitude, latitude, nautical mile and departure.

**NAVIGATION: TIME—PARTS I, II, & III (UW)**

**h-c** 54 minutes **B&W: \$4.75**  
Divides the globe into time zones, divides time into apparent, sidereal, and mean time; illustrates the use of chronometer, and gives examples of three means of computation of time and its reckoning. Animated diagrams are used.

**NAVIGATION: TIME IN THE AIR (CAA)**

**c** 11 minutes **B&W: \$2.15**  
Illustrates how to determine the error of the aircraft navigational watch and demonstrates its use in celestial navigation. The procedure for making observations of the sun preparatory to solving the astronomical triangle is also described.

**NAVY DECLINE, THE NEW NAVY AND THE WAR WITH SPAIN (HISTORY OF THE U. S. NAVY) (AFS)**

**j-h-c-a** 22 minutes **Color: \$3.65**  
The navy suffered steady decline, falling from 700 ships in 1865 to 52 in 1880. Recounts President Arthur's efforts to revitalize the navy and the problems connected with these efforts. The Spanish-American War is discussed in terms of the prewar friction between Spain and the U. S., the destruction of the Spanish fleet, and territorial acquisitions by the U. S. under provisions of the treaty with Spain.

**NAZIS STRIKE (OWI)**

**h-c-a** 39 minutes **B&W: \$4.65**  
Film compiled from American, United Nations, and captured movies and further clarified by means of animated charts and maps. Traces the history of Nazi aggression up to and including the Polish conquest. Ends with shots of Churchill eloquently refuting the Nazi claim that the democracies would never fight for their convictions, and with words of hope, he promises the eventual utter defeat of the Axis aggressors.

**NEAR HOME (BIS)**

**general** 25 minutes **B&W: \$4.15**  
Shows how a group of school children under the guidance of their teacher use the field trip to study their community's history, industries, public utilities, government, geography and other factors. Pupils learn while taking advantages of an inherent interest in things nearby.

**NEAREST STAR, THE (PLANET EARTH SERIES) (McGH)**

**j-h** 30 minutes **Color: \$7.00**  
The properties of the sun and the relationship of solar activity to the earth are explained. Such events as sunspots and solar flares, which exert a profound influence on the earth's upper atmosphere, are portrayed.

**NEGRO SOLDIER (OWI)**

**h-c-a** 39 minutes **B&W: \$2.15**  
Traces the role of the Negro soldier in American history from 1776 to 1944. Shows the accomplishments of Negro troops.

**NEIGHBORS (IFB)**

**j-h-c-a** 7 minutes **Color: \$3.40**  
A parable about two people who, after living side by side with mutual friendliness and respect, come to blows over the possession of a flower that grows on the line where their properties meet.

**NERVOUS SYSTEM, THE (EB)**

**j-h-c** 11 minutes **B&W: \$2.15**  
Animated drawings describe the structure and function of the central nervous system, including the anatomy of the spinal cord, axones, dendrites, nerve bundles, receptor and effector organs. The nature of the nerve impulse and reflex arc also are presented. Microphotography reveals the intricate nature of nerve cells. Close-ups compare the differentiated reactions of an amoeba, a plant, a frog, and a cat. Amplified sounds of actual nerve impulses in man and a cat are reproduced.

**NETHERLANDS: PAST AND PRESENT (C)**

**i-j** 11 minutes **Color: \$3.60**  
This film presents the Netherlands as it is today—a harmonious blend of old and new, or historic tradition and modern development. We examine both rural and urban life, and see many of the traditional occupations of the people. Modern occupations and developments are shown: office buildings, shopping centers, and factories. We also see the flat lowlands being reclaimed from the sea.

**NEW AMERICANS (McGH)**

**j-h-c-a** 18 minutes **B&W: \$3.90**  
Depicts the adjustment of a typical refugee with the aid of the National Refugee Service and shows how Professor Albert Einstein, author Thomas Mann, scientists Victor Hess and James Franck, and many other refugees are making important contributions to America.

**NEW CHAPTERS (NFBC)**

**h-c-a** 14 minutes **Color: \$5.00**  
The public library as a workshop, lecture hall and resource center for a planned cultural activity of the community. Emphasis is placed on the provision of facilities for children's activities in art, music, story telling and play reading.

**NEW CONGRESS (McGH)**

**h-c-a** 26 minutes **B&W: \$4.90**  
House and Senate leaders in the Republican 83rd Congress, give their views on such issues as Federal spending, taxes, foreign policy, and loyalty. Speaker of the House outlines the Republican legislative program, and Senator Wayne Morse, independent, explains his position.

**NEW DOCTRINE, THE (AIR POWER SERIES) (CBS)**

**h-c-a** 28 minutes **B&W: \$5.65**  
A timely report on the atom-hydrogen bomb era, the development of the ultimate weapon by the United States and Russia, and their continuing search for an ultimate delivery system—the intercontinental ballistic missile.

**NEW EARTH (FON)**

**general** 21 minutes **B&W: \$3.25**  
Authentic record of a vast land-reclamation project in the Zuyder Zee of Holland. Shows in detail the stages of this giant engineering project begun in 1920 and requiring ten years to complete. A valuable documentary suitable for use in many types of study and for all age levels.

**NEW ENGLAND: BACKGROUND OF LITERATURE (C)**

**j-h-c** 11 minutes **B&W: \$2.15, Color: \$3.40**  
Now your classes can explore Thoreau's pond, sit snugly at Whittier's hearth and thrill to see the ensign flying from Old Ironsides. Here is New England as we know it through the works of Bryant, Emerson, Longfellow, Whittier, Thoreau, Holmes and Alcott.

**NEW ENGLAND FISHERMEN (EB)**

**i-j** 10 minutes **B&W: \$2.15**  
Portrays the life of Gloucester fishermen and their picturesque way of making a living. The film contrasts the schooner method of fishing with the methods used on a Diesel trawler equipped with large machine-operated nets.

**NEW ENGLAND HOLIDAY (UW)**

**j-h-c-a** 9 minutes **B&W: \$1.70**  
A travelogue of the shrines and places of historical New England. Also pictures Cape Cod vistas, lobster fishing, surf bathing, and the White Mountains in winter.



**NEW FRONTIERS IN SPACE (McGH)**

h-c-a 28 minutes B&amp;W: \$4.90

A survey of the research, both military and civilian, taking place at present in astrophysical problems. The film introduces the equipment being used, shows the world's largest telescope in operation, and presents important scientists involved in space research. Through the device of a camera in a rocket, the curvature of the earth is easily distinguished.

**NEW FRONTIERS OF MEDICINE (McGH)**

j-h-c-a 17 minutes B&amp;W: \$3.00

Here are the newest medical miracles—sulfa, penicillin, streptomycin, the artificial kidney, brain surgery—discovered by the specialist and the research scientist. The film also discusses the Rh blood factor and the new developments in nutrition, as well as the progress made in the study of heart diseases and cancer.

**NEW HAMPSHIRE (THIS LAND OF OURS SERIES) (IFI)**

i-j-h 9 minutes Color: \$3.25

History of the state, the origin of its name, her natural resources—water power, quarries of granite and vast forests—as well as winter and summer sports and the maple syrup industry.

**NEW HORIZONS (PAA)**

h-c-a 33 minutes B&amp;W: \$2.15

A dramatic history of Pan American from the early Key-West-to-Cuba beginnings to the operations of today. Shows the development of the early China Clipper into the Double-Decked Clipper.

**NEW HORIZONS ALONG THE MILKY WAY (UPRR)**

i-j-h-c-a 24 minutes Color: \$2.15

Points out the importance and value of milk and shows the advancements made by the dairy farmer in the production of quality milk. Stresses the importance of sanitation through the use of clean pens and buildings, and new modern milking facilities and equipment.

**NEW HOUSE, THE: WHERE IT COMES FROM (C)**

p-i 10 minutes B&amp;W: \$2.25, Color: \$3.40

Johnny watches the building of a new house and sees many materials and different jobs in construction. We learn where such materials as concrete, lumber, bricks, glass, and pipes come from. We see the carpenters, bricklayers, glaziers, painters, plumbers, and electricians at work. Johnny learns that many people have to work together to build the houses in which we live.

**NEW JANITOR (SILENT) (UW)**

general 15 minutes B&amp;W: \$1.50

Charlie Chaplin, working as a janitor, catches an executive absconding with funds to pay a gambling debt. Charlie is fired, and the police almost nab him instead of the villain.

**NEW LOOK IN POTATOES (UPRR)**

j-h-c-a 22 minutes Color: \$2.15

The story of potato production—methods of sorting, grading and packaging, new developments in processing, shipping, and display.

**NEW MEXICO (THIS LAND OF OURS SERIES) (IFI)**

i-j-h 9 minutes Color: \$2.65

Historical, industrial, geographical, and scenic highlights of the state.

**NEW ORLEANS—GATEWAY TO THE WORLD (McGH)**

j-h-c-a 27 minutes B&amp;W: \$5.15

Pictures the city and port of New Orleans, emphasizing the factors which make it the second port in the United States in dollar volume of cargo.

**NEW PRISONS—NEW MEN (McGH)**

h-c-a 17 minutes B&amp;W: \$3.40

Shows treatment of convicts at Southern Michigan State Prison. Prisoners' preferences and capabilities are analyzed and their work and educational opportunities adjusted to individual needs.

**NEW SALEM (LINCOLN SERIES) (McGH)**

h-c-a 30 minutes B&amp;W: \$5.65

Tells of Lincoln's arrival in New Salem; his meeting Ann Rutledge; his fight with Jack Armstrong; and his first and unsuccessful plunge into the political arena under the sponsorship of Bowling Green.

**NEW SOLDIERS ARE TOUGH (OWI)**

h-c-a 17 minutes B&amp;W: \$2.15

Made during the early part of World War II. Shows many of the new war tactics developed at that time. Shows scenes of commando training and shock troop tactics in cities.

**NEW SOUTH, THE (McGH)**

j-h-c-a 17 minutes B&amp;W: \$3.00

Shows some of the old traditions of the South, such as big southern mansions, fine cooking, and the theatre. From here on the picture contrasts the South from just after the Civil War through the reconstruction period until the turn of the century, with the highly industrialized and more prosperous North. Concludes with a reference to the educational facilities now available.

**NEW SUPERVISOR TAKES A LOOK AT HIS JOB (USOE)**

c-a 10 minutes B&amp;W: \$2.15

A young workman has just been made a line supervisor. In an interview with the superintendent, he is shown that in his new job he must learn to get results by working with people instead of machines. The importance of the human element in supervision is brought out.

**NEW TOOLS FOR LEARNING (EB)**

c-a 18 minutes B&amp;W: \$2.90

Shows how the film, along with a wide range of other materials, can bring vitality to teaching. Demonstrates effective methods of classroom use of film through scenes of school situations.

**NEW USES FOR FARM PRODUCTS (USDA)**

h-c-a 19 minutes B&amp;W: \$2.15

Reviews highlights of U.S. Department of Agriculture researchers in their constant quest for new uses for many products. Includes reports on instant mashed potatoes, improved cotton fabrics, starch research, better plastics, and other new and improved products. Most scenes were shot at the Beltsville, Md., and regional Utilization and Research Development Laboratories. Film should interest farm and general audiences and school science groups.

**NEW WAY OF GRAVURE, A (AFF)**

h-c-a 13 minutes B&amp;W: \$2.15

An artist's technique for engraving on copper is described from his first rough sketches on paper through pulling the final print.

**NEW WAYS OF SEEING (CF)**

j-h-c-a 15 minutes Color: \$5.65

A group of beginning art students are taken on a sketching trip. When they encounter difficulty in getting started, the instructor offers them a point of view on how to begin. He analyzes the importance of the stroke in painting from impressionism to Picasso, using paintings from the Museum of Modern Art, Wildenstein's Gallery, and the collection of Edward G. Robinson. He demonstrates how this way of seeing nature can also be used by the beginning artist to help him respond more fully to the world he sees.

**NEW WORD FOR FARMING, A (AMP)**

j-h-c-a 22 minutes Color: \$2.15

This film contrasts modern-mechanized and primitive-hand farming methods in a pictorial story appealing to young people who plan to build a career in agriculture.

**NEW YORK CITY (THIS LAND OF OURS SERIES) (IFI)**

i-j-h 9 minutes Color: \$2.65

People live, work, and play in New York City. Scenic highlights, geographical facts, and historical moments give you a better understanding of the metropolis.

**NEW YORK PHILHARMONIC ORCHESTRA (MPC)**

j-h-c-a 12 minutes B&amp;W: \$2.40

Dimitri Mitropolous and the New York Philharmonic Orchestra rehearse excerpts from the last movement of Liszt's *Faust Symphony*. We later see and hear a concert performance of the closing section of the movement.

**NEW YORK—THE WONDER CITY (UW)**

i-j-h-c 10 minutes B&amp;W: \$2.15

Shows New York's famed harbor, lower Broadway and massive canyons of steel and stone, the historic Sub-Treasury



where George Washington took his oath of office as first president, Wall Street, the Stock Exchange, the Bowery, St. Patrick's Cathedral, Empire State Building, Chrysler Building, and numerous other interesting spots.

#### **NEW ZEALAND: THE LAND AND THE PEOPLE (C)**

i-j 11 minutes Color: \$3.60

A trip through New Zealand's North and South Islands shows that this country of mountains, forests, and grass lands is a modern nation whose people share many of the customs of all English-speaking people. Exceptional photographic views show us the livestock and dairying industries, the busy port cities, and the activities and recreation of the people—of both European and Maori ancestry.

#### **NEWFOUNDLAND: SENTINEL OF THE ATLANTIC (NFBC)**

j-h-c-a 22 minutes Color: \$5.85

History, people, and resources of the island, stressing fishing industry and the islands' position as an "outpost" on the trans-Atlantic lane.

#### **NEWS MAGAZINE OF THE SCREEN'S REPORT ON ATOMIC ENERGY (WPN)**

j-h-c-a 14 minutes B&W: \$1.65

Excerpted from the monthly "News Magazine of the Screen," this film shows both war and peacetime developments in atomic energy. This comprehensive report is a summary since 1944.

#### **NEWS MAGAZINE OF THE SCREEN'S REPORT ON AVIATION (WB)**

i-j-h-c-a 21 minutes B&W: \$1.65

Shows developments in aviation, both in piloted and electron-guided aircraft. Depicts the airplane, its history, and its potentialities.

#### **NEWS PARADE—1938 (UW)**

j-h-a 10 minutes B&W: \$1.50

Outstanding news events of 1938! Spring floods, West Indian Hurricane, scenes from the second year of Spain's Civil War, fighting between China and Japan, surrender of Sudetanland, rededication of Rheims Cathedral, and Corrigan's reception in New York.

#### **NEWS PARADE—1939 (UW)**

j-h-a 9 minutes B&W: \$1.50

Outstanding events in 1939—Franco's victory, floods in China, Germany's invasion of Poland, Great Britain and France's declaration of war on Germany, the return of the King and Queen from their good-will tour of Canada and the United States, the Chicago grain fire.

#### **NEWS PARADE—1940 (UW)**

j-h-a 9 minutes B&W: \$1.50

In 1940 the world was gripped with crucial events. The Nazis invaded Norway, Holland, Dunkirk; France surrendered at Compiègne; the United States draft took men into service; America hailed its first 3rd term president.

#### **NEWS PARADE—1941 (UW)**

j-h-a 7 minutes B&W: \$1.50

Outstanding events of 1941—the meeting of Roosevelt and Churchill in the Atlantic and the drawing up of the Atlantic Charter; the Canadians' attack upon Spitzbergen; strikes in the United States; the battle for Russia.

#### **NEWS PARADE—1945 (UW)**

j-h-a 9 minutes B&W: \$1.50

World War II ended as the Allies were in Berlin, the Yanks in Tokyo, and the war criminals rounded up. Franklin D. Roosevelt died; the political reins passed on to Harry Truman.

#### **NEWS REVIEW OF 1945 (OF)**

j-h-a 10 minutes B&W: \$1.50

Includes the final victory of World War II, the bombing of Nagasaki, a typhoon in the Pacific and New York's welcome to the war heroes.

#### **NEWS REVIEW OF 1947 (OF)**

j-h-a 7 minutes B&W: \$1.50

Includes hemisphere defense pact, battle for Georgia governorship, flight around the world, American Legion parade, Texas City disaster, Collyer mystery and a tropical hurricane.

#### **NEWS THRILLS OF 1942—VOLUME I (OF)**

j-h-c 9 minutes B&W: \$1.50

Japs bomb Pearl Harbor, battle of Singapore, United States declares war, burning of S.S. Normandie, Russia stops Hitler, shelling of Aruba, and U.S. Navy blasts Marshall Islands.

#### **NEWS THRILLS OF 1942—VOLUME II (OF)**

j-h-c 7 minutes B&W: \$1.50

Battle of Midway, British capture Madagascar, allied convoy foils Axis attack, "Flying Tigers" in the Far East, R.A.F. bombs Paris, General MacArthur takes supreme command in Australia, General MacArthur in the Philippines, and General Stillwell and Chiang Kai-shek in Burma.

#### **NEWS THRILLS OF 1942—VOLUME III (OF)**

j-h-c 7 minutes B&W: \$1.50

United States raids Dieppe, United States captures the Solomon Islands, United Nations trap Rommel, and 1100 planes bomb Germany.

#### **NEWS THRILLS OF 1942—VOLUME IV (OF)**

j-h-c 11 minutes B&W: \$1.50

United States opens second front, Russian offensive traps Nazis, British victorious in Egypt, and U. S. carrier bombed by Japs.

#### **NEWS THRILLS OF 1943—VOLUME I (OF)**

j-h-c 9 minutes B&W: \$1.50

President Roosevelt and Prime Minister Churchill meet at Casablanca; Timor; Guadalcanal, Marines blast Japs; Stalin-grad, Russians victorious.

#### **NEWS THRILLS OF 1943—VOLUME II (OF)**

j-h-c 7 minutes B&W: \$1.50

Victory of the Allies in Tunisia. The Japanese sneak attack on Pearl Harbor. Doolittle's famous flight to bomb Tokyo, and the sinking of 24 Japanese ships in the battle of Bismarck Sea.

#### **NEWS THRILLS OF 1943—VOLUME III (OF)**

j-h-c 9 minutes B&W: \$1.50

The invasion of the Allies in Sicily and the fall of Pantelleria.

#### **NEWS THRILLS OF 1943—VOLUME IV (OF)**

j-h-c 9 minutes B&W: \$1.50

American fliers making their famous bombing raid on the Ploesti oil fields, and the surrender of Italy are the two topics graphically covered in this film. Also shown are the scenes filmed by Italian cameramen depicting the reaction of the Italian people to the surrender, cutting down the Fascist emblem, street parades, and general celebration.

#### **NEWS THRILLS OF 1944—VOLUME I (OF)**

j-h-c 9 minutes B&W: \$1.50

The meeting of Chiang Kai-shek, Roosevelt, and Churchill in Cairo and the following conference at Teheran of Stalin, Roosevelt, and Churchill. The battle for Tarawa photographed by U.S. Marine Corps cameramen.

#### **NEWS THRILLS OF 1944—VOLUME II (OF)**

j-h-c 11 minutes B&W: \$1.50

The Allied invasion of the western coast of Europe. Closeups of the first wave landing on the Cherbourg peninsula and of the intense bombing raids over occupied France. Glimpses of native Frenchmen, of German prisoners, of wounded Americans, and of the meeting of Eisenhower and Montgomery, are among sequences seen in connection with D-Day.

#### **NEWS THRILLS OF 1945—VOLUME II (OF)**

j-h-c 7 minutes B&W: \$1.50

General MacArthur's return to the liberated city of Manila, Lingayen Gulf battle, landing on Leyte and Luzon, and the spectacular paratroop attack and recapture of Corregidor.

#### **NEWS THRILLS OF 1945—VOLUME III (OF)**

j-h-c 9 minutes B&W: \$1.50

The battle of Iwo Jima. Air and sea bombardments pave the way for the invasion of Iwo Jima as 40,000 U.S. Marines capture airfields, storm pillboxes and push on through the volcanic ash in the toughest, bloodiest battle in Marine history.

#### **NEWS THRILLS OF 1948 (OF)**

general 9 minutes B&W: \$1.50

Here are the great events of world history that occurred in 1948.



**NEWSPAPER SERVES ITS COMMUNITY (FA)**

i-j 14 minutes B&W: \$2.80  
Shows how a newspaper works and emphasizes the many ways in which it serves its community. Follows the reporting of a local news event: the arrival of a new baby elephant for the town zoo. It documents the step-by-step processes of writing, editing, printing, and delivery of a newspaper, and shows the variety of news, features, and advertising it brings to a community each day.

**NEWSPAPER STORY (EB)**

i-j-h 16 minutes B&W: \$3.65  
A vivid behind-the-scenes view of a newspaper office. Follows a human interest news story from the time a reporter first learns of it until it appears in print on the front page. Illustrates the duties of workers who observe, write, edit, print, and distribute the daily newspaper. Shows the huge presses and other mechanical devices. Suggests the importance of the newspaper as a medium of communication.

**NEWT, THE (IFB)**

j-h-c-a 10 minutes B&W: \$2.15  
Begins by comparing the three common types of newts. Male and female smooth newts are chosen for detailed study. Animated drawings describes the reproductive process and the development of the sex organs. The life cycle is then shown. Habitat, hibernation, and mating habits are also pictured.

**NEXT DOOR TO SIBERIA (BFS)**

general 11 minutes B&W: \$2.15  
Diomed Island in the Bering Strait is the locale of this interesting study of an Eskimo community. On this island the Eskimos are ice-blocked for six months, all food has to be brought in before the blocking sets in. Eskimo crafts and an actual walrus hunt are shown.

**NIAGARA FALLS (HFE)**

j-h-c 11 minutes Color: \$3.15  
Shows the geological explanation regarding the formation of the Falls and tells of its discovery by Father Hennepin in 1678. Niagara is also shown as a valuable source of hydroelectric power both to the United States and to Canada.

**NIAS AND SUMATRA: ISLANDS OF THE NETHERLANDS EAST INDIES (NA)**

j-h-c-a 10 minutes B&W: \$1.65  
Maps and commentary depict the people and their life in relation to the rest of the world. Shows the land being farmed, the home life of the inhabitants, their folk-lore, their famous arts and crafts, their religion, their dances and music, their products and industries.

**NIGHT AND BAD WEATHER DRIVING (PRP)**

h-c-a 9 minutes B&W: \$1.65  
Deals with the safety steps you should take when driving during bad weather: care of your car, safety appliances, how to prevent a skid, and many other safety precautions. Shows why darkness and bad weather are the two worst killers.

**NIGHT BEFORE CHRISTMAS (UW)**

general 9 minutes B&W: \$1.65  
Live actors with animated sequences bring to light the celebrated poem, "Night Before Christmas."

**NIGHT BEFORE CHRISTMAS, THE (EB)**

p-i-j-h 11 minutes Color: \$3.65  
Clement Moore's traditional poem of Christmas, "A Visit From St. Nicholas" is presented with Santa Claus playing the title role. An original music score.

**NIGHT BEFORE CHRISTMAS (TFC)**

p-i-j-h 9 minutes Color: \$3.65  
Animated cartoon with Tom, the cat, and Jerry, the mouse, in the living room with a Christmas tree and a fireplace. *Restricted to Classroom Use.*

**NIGHT IN THE JUNGLE (LFI)**

general 10 minutes B&W: \$1.75  
Insect life in the Amazon jungle is photographed by Commander Dyott. Amazing shots of unusual insects are shown.

**NIGHT JOURNEY (REM)**

c-a 30 minutes B&W: \$6.65  
Under the direction of Martha Graham, the story of Oedipus Rex is portrayed by dance and music. The dance begins with a scene that took place after Oedipus has become blind.

**NIGHT MAIL (BIS)**

j-h-c-a 24 minutes B&W: \$3.65  
Pictures the journey of the "Postal special" from London to Scotland, a fast express carrying no passengers but manned entirely by post office workers. Mail is sorted on board and at various railway centers on the way mail bags are received or dispatched. The train also picks up or drops mail en route while travelling at high speed.

**NIGHT VISION FOR AIRMEN (CAA)**

h-c 19 minutes B&W: \$2.15  
Explains the problems faced by flying personnel in seeing at night. Shows the anatomical and physiological aspects of the eye and the reason for the proper techniques of becoming dark adapted. Reveals the technique for the most effective use of the eyes at night.

**NIGHTMARE IN RED (McGH)**

j-h-c-a 56 minutes B&W: \$9.15  
This first authentic reconstruction of the historical drama of Communism inside Russia covers fully the old Czarist order, the Revolutions of 1905 and 1917, the Provisional Government, the early days of the Communist era, the Purge Trials, World War II and its aftermath up to and including today's uncertainty. Among the figures who emerge prominently on film are Czar Nicholas II and Czarina Alexandra, Tolstoy, Lenin, Trotsky, Stalin, Vishinsky and Molotov.

**NILE RIVER BASIN AND PEOPLE OF THE UPPER RIVER (A)**

general 17 minutes B&W: \$3.65  
Follows the river northward from Lake Victoria to central Sudan showing the living conditions, work, travel, transportation, and habits of the people who are dependent upon the Nile.

**NILE RIVER VALLEY AND THE PEOPLE OF THE LOWER RIVER (A)**

general 17 minutes B&W: \$3.65, Color: \$5.40  
Features the lower half of the Nile River from the semi-arid plains of central Sudan through the dry desert land of Egypt to the mouth of the Nile in the Mediterranean Sea. The annual flood of the Nile and its effects on the life of the people and agriculture is shown. Includes scenes of irrigation projects, the temples of Karnak, the pyramids of Gizeh, the cities of Khartoum, Luxor, and Cairo.

**NINE BAD SHOTS OF GOLF (McGH)**

h-c-a 10 minutes Color: \$3.15  
Experts have analyzed all major golf faults, broken them down into nine bad shots, and shown exactly how to correct each one in a combination of straight action, slow-motion photography, and "freeze frame" shots.

**NINE BASIC FUNCTIONAL SYSTEMS OF THE HUMAN BODY (BR)**

h-c 11 minutes B&W: \$2.15  
The principal and basic constituents of the human system are set forth by means of animated drawings in nine groups—circulatory, nervous, sensory, digestive, lymphatic, endocrinal, skeletal, muscular, and excretory. The description of each group is confined to essential facts.

**1947, YEAR OF DIVISION (TFC)**

h-a 19 minutes B&W: \$3.40  
Surveys events of the year, as well as the growing tension between the United States and Russia. Includes the "iron curtain" policy of Russia, the effort of the Marshall Plan to counteract Communism, and the attempts of the General Assembly of the United Nations to secure peace. *Restricted to Classroom Use.*

**1930's, THE (AIR POWER SERIES) (CBS)**

h-c-a 28 minutes B&W: \$5.65  
With Lt. General James H. Doolittle and Walter Cronkite narrating, this film covers the major struggles of the 1930's and includes glimpses of many of the leading figures of that period.

**NITRIC ACID COMPOUNDS AND THE NITROGEN CYCLE (C)**

h-c 19 minutes Color: \$6.15  
Explains the properties of nitric acid and how it can be derived.



**NITROGEN AND AMMONIA (C)**

**h-c** 16 minutes **Color: \$5.30**  
Examines properties of molecular nitrogen and some simple compounds of nitrogen, oxides, and nitrides.

**NITROGEN AND LIVING THINGS (UW)**

**i-j** 14 minutes **Color: \$4.70**  
This is a comprehensive presentation of the nitrogen cycle and its importance to living things.

**NITROGEN CYCLE (UW)**

**h-c-a** 14 minutes **B&W: \$2.85**  
Route followed by nitrogen in its circulation between the atmosphere and compounds making up protoplasm of living organisms. Photomicrography and cineradiology show actual functions of the root-hairs associated with nodules, fungi and bacteria.

**NITROUS ACID AND SODIUM NITRITE (CHEMISTRY LAB. SERIES) (C)**

**h-c** 18½ minutes **B&W: \$3.45**  
Sodium nitrite is prepared by the reduction of sodium nitrate with lead, and the product is isolated. Acidified solutions of this salt are prepared and several chemical properties of nitrous acid are demonstrated, among them its activity both as an oxidizing agent and as a reducing agent. A test is developed to distinguish a nitrite from a nitrate.

**NO ACCIDENTS (BIS)**

**j-h-c-a** 10 minutes **B&W: \$2.15**  
Stresses the importance of observing all safety precautions in industrial work.

**NO HELP WANTED (AMA)**

**h-c-a** 17 minutes **B&W: \$2.15**  
Explains the jobs disabled veterans are holding now in American industrial plants. Shows clearly many of the jobs that can be performed by the veteran who has been disabled in the service of his country.

**NO SMOKING (SD)**

**j-h** 10 minutes **B&W: \$2.15**  
A boy and girl start to light a cigarette. The narrator stops them and explains how smoking costs each smoker \$150 to \$500 per year, and affects the health and length of life of smokers.

**NO TEACHER ALONE (NEA)**

**c-a** 22 minutes **B&W: \$3.15**  
Explains the significance of teachers' professional organizations with special reference to the National Education Association.

**NOBODY'S CHILDREN (McGH)**

**general** 17 minutes **B&W: \$2.90**  
In the United States today, one couple in every seven is childless; many of them wish to adopt babies, but there just aren't enough babies to go around. Shows dangers in lax adoption procedure and documents advanced methods.

**NOISE AND HEALTH (THE SEARCH) (CBS)**

**h-c-a** 28 minutes **B&W: \$5.65**  
Noise has a very great effect on the health and stability of people. This is the conclusion reached by the officials at the University of California at Los Angeles. Specialists on the science of acoustics are in the process of developing new methods of noise control in order to give the maximum satisfaction and protection to the human being.

**NOMADS OF THE JUNGLE (MALAYA) (UW)**

**i-j-h-c** 21 minutes **B&W: \$3.65**  
A Malayan jungle and the everyday life of a typical nomad family. How these people plan their lives, anticipate their needs, and meet their problems in relation to climate, environment, and natural resources. Centers upon a boy approaching maturity and his preparation for adult responsibilities.

**NOMADS OF THE NORTH (BFS)**

**j-h-c-a** 11 minutes **Color: \$3.40**  
Geography of Lapland. Sea Lapps and the Lapps of the Reindeer cultures receive a comprehensive coverage. Life in the "Land of the midnight sun."

**NON-OBJECTIVE ART (BFS)**

**j-h-c** 8 minutes **Color: \$2.30**  
Establishes what this style is and how it differs from other types of painting. Points out non-objective things in nature. Explains the basic elements of line, shape, and color. Shows uses of non-objective art in industrial design, unique interests of the creative painter and outstanding examples of noted painters.

**NONE FOR THE ROAD (YA)**

**j-h-c-a** 14 minutes **B&W: \$3.40**  
A discussion of the problem of teenage drinking and driving, made in cooperation with the Yale Center of Alcohol Studies. Three college men, one doing no drinking, one drinking beer, and one drinking heavily, are studied. Depicts an accident from only casual drinking before driving.

**NORMAL BIRTH, A (MA)**

**h-c-a** 11 minutes **B&W: \$2.85**  
Birth of a child, from the time the mother enters the delivery room until she leaves it. Because of the subject matter, the film is for distribution only to qualified persons and for showing to properly constituted groups under the supervision of a qualified leader.

**NORMANDY INVASION (OWI)**

**h-c-a** 19 minutes **B&W: \$2.15**  
An unforgettable record of the tremendous preparations and effort made by the invasion forces on D-Day. Scenes of U.S. troops wading, through a hail of machine gun fire, from boats which have worked their way through mine fields and underwater obstacles. Excellent long shots show air, land, and water forces coordinated in a perfectly timed invasion.

**NORTH AMERICAN ELK (WLF)**

**general** 10 minutes **Color: \$3.25**  
A stirring record of these giant game animals. Depicts an hour old calf's first steps, huge bulls with towering antlers, their amazing speed and grace in all types of terrain, and how they feed and migrate down to the plains in countless numbers during the winter season.

**NORTH ATLANTIC ROUTE, THE (CAA)**

**h-c** 19 minutes **B&W: \$2.15**  
Introductory film explaining the application of rules and procedures for international flights and showing the use of some of the procedures and facilities during a typical flight on the North Atlantic route.

**NORTH POLE (YA)**

**j-h-c** 11 minutes **B&W: \$2.15**  
After a brief summary of earlier major explorations in the North Pole region, an animated sequence compares routes on a Mercator projection with the same routes on a global map. Describes the current exploration in the North Pole region and growing importance of this region to aviation.

**NORTH POLE EXPLORATIONS (KB)**

**h-c-a** 10 minutes **B&W: \$2.15**  
Opens with a dramatization of the ill-fated Franklin expedition to the far north. Shows Perry's discovery of the North Pole and concludes with Byrd's flight from Spitzbergen, encircling the pole and back again. Shows air views of the pole itself taken at that time.

**NORTH WIND AND THE SUN, THE (AN AESOP FABLE) (C)**

**p** 8 minutes **Color: \$3.00**  
Combining old world and modern elements, this colorful animated film tells the story of a contest between the north wind and the sun. "You can sometimes do more by being gentle than you can by using force" is the useful lesson children will gain from this film. Produced by Gakken Film Company, Ltd., Tokyo.

**NORTHEAST FARM COMMUNITY (IU)**

**i-j** 17 minutes **Color: \$5.00**  
This film portrays, with historical accuracy, life of a typical farm family during the early 1800's in the northeastern United States. The film illustrates the near self-sufficiency of early farmers and the importance of wood, water and fertile soil to the farmer. His increasing reliance on community services such as the grist mill, blacksmith shop, general store, church, and school is brought out clearly as each of these institutions is shown performing its important services.



**NORTHEASTERN STATES, THE (EB)**

i-j-h 11 minutes B&W: \$2.15  
An interpretation of historical progress in the development of resources in the areas of West Virginia, Maryland, Delaware, District of Columbia, New Jersey, Pennsylvania, New York, Connecticut, Rhode Island, Massachusetts, Vermont, New Hampshire, and Maine. Features of the land, people, natural resources, textile, clothing and heavy industries.

**NORTHERN RAMPART (RKO)**

general 18 minutes B&W: \$3.65  
A spotlight on this territory of plank main streets, totem poles, ghost towns, glaciers, and forests. Alaska is described as a land of unlimited opportunity.

**NORTHWEST U.S.A. (UW)**

general 19 minutes B&W: \$2.90  
Oregon and Washington are two states of significance in the Northwest. In this geographical undertaking, the people of the states are studied, as well as fishing, mining, forestry, and the Grand Coulee Dam.

**NORTHWESTERN STATES, THE (EB)**

i-j-h 11 minutes B&W: \$2.15  
The physical characteristics of the states of Montana, North Dakota, South Dakota, Wyoming, Idaho, Utah, Colorado, Nebraska, and Kansas are shown. Topography, rainfall, drainage, fauna and flora, people, metropolitan centers, scenic and recreational features, transportation and commercial activities, natural resources, and agricultural situations are shown. Special consideration is given to the interdependence of this region with other regions of the country.

**NORWAY (THIS WORLD OF OURS SERIES) (IFI)**

i-j-h 9 minutes Color: \$2.65  
Norway, one of the Scandanavian nations, is studied from the angle of life and work of the people.

**NORWEGIAN CHILDREN (FARMING ON A FIORD) (EB)**

i-j 11 minutes B&W: \$2.15  
Provides an interesting visit with a farm family living on a fiord in western Norway. Emphasizes dairying activities such as milking, cheese making, and transporting milk to the dairy in the valley. Concludes with a neighborhood festival to celebrate homecoming of the women and children.

**NORWEGIAN FOLK DANCES (AFR)**

j-h-c-a 11 minutes Color: \$3.40  
Distinctive dance routines of Norway as handed down from generation to generation. Background music accompanies the dancers, who execute three routines: Reibender, Sprindans, and Fire Turen.

**NOSE: STRUCTURE AND FUNCTION (EB)**

j-h-c-a 11 minutes B&W: \$2.15, Color: \$3.40  
By use of animation and microphotography, the nose is described according to physiology and its functions of breathing and smelling. The protective system of the breathing organs and the reasons for breakdowns in the nasal passages are also explained.

**NOSE, THROAT, AND EARS (McGH)**

h-c-a 11 minutes B&W: \$2.40  
Animated drawings of the nose, throat, and ears are utilized extensively so that the student may clearly see their structure and functions, and thereby understand the recommended procedures for their care. Shows how infection, once started, may spread throughout the nose, throat, and ears because of continuous mucous membrane lining.

**NOT BY CHANCE (NEA)**

h 28 minutes B&W: \$6.15  
Tells about Donna, a prospective teacher of high school science and shows important current practices in teacher education in such areas as admissions, classroom instruction, campus life, guidance activities, observation, and directed student teaching.

**NOTHING BUT AIR (EB)**

p-i 11 minutes B&W: \$2.15  
A normal boy in one ordinary day has many experiences with air. He learns that, though invisible, air is very real. Air occupies space; air is all about us; air has weight; air in motion has power and serves man in various ways.

**NOUNS AND VERBS VERSUS ADJECTIVES AND ADVERBS (THE QUILL SERIES) (NET)**

h-c-a 29 minutes B&W: \$5.65  
Professor Edwin Peterson discusses the function of the four most useful parts of speech. He shows that weak adjectives and adverbs can often be omitted by careful selection of nouns and verbs. Through many illustrative sentences he develops the concept that one forceful noun or verb is better than a combination of an adjective and a noun or of an adverb and a verb.

**NUCLEAR REACTOR (ELEMENTARY NUCLEAR SERIES) (McGH)**

c-a 9 minutes B&W: \$2.25  
Explains nuclear stability and neutron-induced fission. Then neutron emission, the self-sustaining chain reaction, and the role of the moderator are explained. Illustrates the application of these ideas to the pile. The production of plutonium and of tracer elements is pictured.

**NUMBER FIELDS (TEACHER EDUC. IN MODERN MATH. SERIES) (McGH)**

c-a 18 minutes B&W: \$4.15  
Concepts of sets, closures, and number fields are developed.

**NUMBER SYSTEM, THE (EB)**

p-i 11 minutes B&W: \$2.15, Color: \$3.40  
Demonstrates the combining of single objects into groups of ten. This is followed by counting groups of ten. Several combinations are given representing a variety of combinations with two place numbers only.

**NUMBER SYSTEM AND ITS STRUCTURE, THE (C)**

j-h 11 minutes B&W: \$2.35  
This film reviews the concepts on which any number system is based and introduces the binary system used in electronic computers. A survey of the place of integers, fractions, and negative numbers in our number system and an explanation of the commutative, associative, and distributive laws and closure principles of arithmetic will give the student a basis for further progress in mathematics.

**NUMBERS FOR BEGINNERS (JHP)**

p 11 minutes B&W: \$2.15  
Designed to assist the class in separating the idea of numbers from the counting of objects and to help them visualize the relationship between numbers.

**NURSING (VGF)**

h-c 11 minutes B&W: \$2.15  
Nursing is divided into three groups: private nursing, public health nursing, and institutional nursing. Shows the variety of activities while in training. Explains the advantages of nursing and analyzes the qualifications and requirements necessary to be successful in the field of nursing.

**NUTRITIONAL NEEDS OF OUR BODIES (C)**

i-j 11 minutes B&W: \$2.35  
Using photomicrography, laboratory animals and animation, this film shows how food provides the body's basic needs. The student will learn about the four general groups of foods, of the nutrients which they contain, and what the nutrients supply the body.

**NUTTY PINE CABIN (ANDY PANDA) (UW)**

general 6 minutes B&W: \$1.70  
Andy's cabin-building job goes haywire. Beavers steal his lumber, and he declares war. They fell a tree that jolts Andy's cabin high in the air. The beavers get the last laugh.

**OBERAMMERGAU (BFP)**

j-h-c-a 15 minutes B&W: \$3.15  
Scenes of the Bavarian countryside and the architecture, violin-making, and woodcarving in the town of Oberammergau. The setting of the Passion Play and some residents of the town who were to participate in the play of 1950, views of the palace of Linderhof.

**OBERBAYERN (IFB)**

j-h-c 15 minutes Color: \$5.00  
Depicts life in Upper Bavaria with a broad range of subject matter and ideas presented in clearly enunciated German. The film opens in Oberammergau where we observe the cleanliness and neatness of the town, view the village church, visit a woodcarver and meet townfolk who take part in the famous



Passion Play. Other Bavarian towns, artisans at work, pageants, an Alpine lake, and the Linderhof are shown. This is an intermediate German language teaching film.

## **OBESITY—PROBLEMS OF FAT FORMATIONS AND OVERWEIGHT (EB)**

**h-c-a** 13 minutes **B&W: \$2.15, Color: \$3.40**  
Illustrates fat formation and utilization in the human body. Analyzes physiological and psychological causes of overweight. Explains the danger of uncontrolled fat accumulation and reveals ways in which body weight can be controlled.

## **OBLIGATIONS (SM)**

**j-h-c-a** 18 minutes **B&W: \$4.15**  
Contrasts the life of the disorganized Smith family with that of the Browns who have achieved an orderly living—by paying attention to their mutual obligations. Stresses our individual responsibility.

## **OBLIQUE CONES AND TRANSITIONAL DEVELOPMENTS (McGH)**

**h-c** 10 minutes **B&W: \$2.40**  
Animated drawings show the development of several complicated shapes, step by step, starting with the oblique cone. A transition connecting a circular opening is then developed, and finally a transition connecting two curved openings. The use of true length diagrams and triangulation is also demonstrated in these examples.

## **OCCLUDED FRONTS (AEROLOGY SERIES) (CAA)**

**j-h-c** 20 minutes **Color: \$2.15**  
Shows the development and movement of cyclones and the initial stages which are the warm and cold fronts. Demonstrates on a weather map the action of a cold and warm front occlusion. Points out the weather problems in flight operation in a warm and cold front type occlusion.

## **OCEAN AIR TRAFFIC CONTROL (CAA)**

**j-h-c-a** 9 minutes **B&W: \$2.15**  
Techniques used by the Oceanic Air Traffic Control Center to plot and chart safe courses for planes. Demonstrations given are of the traffic patterns found in the flight from California to the Hawaiian Islands. Details of flight patterns, radio techniques, and over-all problems concerned with air traffic control.

## **OCEAN OF AIR, THE (UW)**

**p-i** 14 minutes **Color: \$4.70**  
This film seeks to provide a basic understanding of the characteristics, composition, and importance of air. The film attempts to bring the student in as a participant rather than a mere spectator. The pupil will discover that air is a real substance, because it can be felt (the wind), it pushes things around (a kite), and it occupies space (a beach ball).

## **OCEAN TIDES (BAY OF FUNDY) (EB)**

**i-j-h-c-a** 14 minutes **B&W: \$2.95**  
Explains by animation how tides are caused and pictures the unusual tides in and near the Bay of Fundy. Shows and explains the forty-foot tides in the Bay, the tidal bore that rushes up the Petitcodiac River, and the reversing falls-rapids of the Saint John River. Points out how tides influence people who live near the ocean.

## **OCEAN VOYAGE (EB)**

**p-i** 14 minutes **Color: \$5.15**  
Life aboard the S. S. Olympia is described by an apprentice officer. A tour of the entire ship includes a visit to the radio room and a demonstration of how radar makes sailing safe.

## **OF HUMAN RIGHTS (ANTI)**

**j-h-c-a** 20 minutes **B&W: \$3.40**  
An incident involving economic and racial prejudice among children is used to dramatize the importance of bringing to the attention of peoples of the world their rights as human beings as set forth in the "Universal Declaration of Human Rights."

## **OF MEN AND IDEAS SERIES (NET)**

**h-c-a** 30 minutes each **B&W: \$4.90 each**  
No. 1 Just What Is General Semantics?  
No. 2 Do You Know How to Make a Statement of Fact?  
No. 3 Why Do People Misunderstand Each Other?  
No. 4 What Is a Good Observer?  
No. 5 On the Differences Between Words and Things  
No. 6 The Man Who Knows It All

An enlightening series of discussions dealing with problems of communication and general semantics. Such facts are considered as the degree of understanding between people that depends upon the varying meaning attached to words, problems of inference, logic and assumption, the nature of words, the differences between sensitive and superficial observation, and the need for agreement on the meaning of words as symbols.

## **OF PUPS AND PUZZLES (TFC)**

**c-a** 10 minutes **B&W: \$1.65**  
Studies individual differences and techniques to be followed in fitting applicants to the positions of their greatest usefulness. Comparisons are made in the commentary as the picture shows three young men applicants at an airplane factory exhibiting different reactions to the same kind of test. They are assigned to jobs which are indicated by these reactions. *Restricted to Classroom Use.*

## **OFFICE COURTESY (EB)**

**h-c-a** 11 minutes **B&W: \$2.15, Color: \$3.40**  
Dramatizes techniques for office workers in meeting and working with the public. Emphasizes the importance of courtesy and thoughtfulness and reveals how the employee's attitude may affect his company's success.

## **OFFICE ETIQUETTE (EB)**

**h-c-a** 14 minutes **B&W: \$3.40**  
Shows the importance of courtesy in everyday business and the ways in which office etiquette contributes to success in office relationships. Illustrates how courtesy can be applied to typical situations such as applying for a job, reporting for work on the first day, and performing routine secretarial duties.

## **OFFICE SUPERVISORS' PROBLEMS: THE BRIGHT YOUNG NEWCOMER (McGH)**

**c-a** 7 minutes **B&W: \$1.65**  
An office situation illustrating the problem of an office supervisor when he fails to realize the special motivation needs of the senior clerical employee.

## **OFFICE SUPERVISORS' PROBLEMS: THE FOLLOW-THROUGH (McGH)**

**c-a** 7 minutes **B&W: \$1.65**  
An office situation illustrating the problem of an office supervisor when the proper follow-through is not made on a work assignment.

## **OFFICE SUPERVISORS' PROBLEMS: THE GRAPEVINE (McGH)**

**c-a** 7 minutes **B&W: \$1.65**  
An office situation illustrating the problem of an office supervisor when there is a lack of proper communication in the office.

## **OFFICE SUPERVISORS' PROBLEMS: HOW MUCH COOPERATION (McGH)**

**c-a** 7 minutes **B&W: \$1.65**  
An office situation illustrating the problem of an office supervisor when there is a lack of agreement as to what cooperation is.

## **OFFICE SUPERVISORS' PROBLEMS: IN THE MIDDLE (McGH)**

**c-a** 7 minutes **B&W: \$1.65**  
An office situation illustrating the problem of an office supervisor when an experienced employee resents a temporary transfer to another department during a slack period.

## **OFFICE SUPERVISORS' PROBLEMS: PROMOTION BYPASS (McGH)**

**c-a** 8 minutes **B&W: \$1.65**  
Illustrates the problem of an office supervisor handling a promotion disappointment case.

## **OFFICE TEAMWORK (EB)**

**h-c-a** 12 minutes **B&W: \$2.15, Color: \$3.40**  
Illustrates the importance of cooperation among the members of a business organization. Dramatizes representative office situations in which teamwork is necessary and reveals the effects of various employee attitudes on company morale and business.



**OFFICIAL BASKETBALL (IHSA)**

**j-h-c** 27 minutes Color: \$2.15  
 Demonstrations involve official rules interpretations covering screening, traveling, jump ball, front and back court, throw-ins, free throws, personal and technical fouls, rebounding, and unusual and often misunderstood play situations. Shows the important part played by the rules in keeping the three S's in the game of basketball—namely: speed, science, and skill.

**OFFICIAL FOOTBALL (IHSA)**

**j-h** 28 minutes B&W: \$2.15  
 Rules of the officials and how they are carried out are shown. The duties of each official are explained and demonstrated. All illegal maneuvers are demonstrated.

**OH MY ACHING TOOTH (OF)**

**general** 10 minutes B&W: \$1.65  
 You'll scream with laughter as Lou Costello goes from the dentist's chair to the psychiatrist's office.

**OHIO (THIS LAND OF OURS SERIES) (IFI)**

**i-j-h** 10 minutes Color: \$3.15  
 Historical, industrial, geographical, and scenic highlights of the state.

**OHM'S LAW (C)**

**j-h** 7 minutes B&W: \$2.15  
 Ohm's law is graphically and visually illustrated. His theories of voltage, current, electrical resistance, and their interrelationships are explained.

**OHM'S LAW (UW)**

**h-c-a** 19 minutes B&W: \$3.15  
 The elements of electricity are analyzed. Special emphasis upon electrical energy, its source, transmission, and use. The composition of matter in connection with the use of force and energy is discussed. The functions of Ohm's law, resistance, and the purpose and use of meters are explained.

**OIL PAINTING (SP)**

**j-h-c-a** 14 minutes Color: \$3.70  
 Instruction in the art of doing an oil painting is given by Harry Leith-Ross. Shows everything from the preparation of the canvas to the finishing touches.

**OIL PAINTING METHODS (ALL)**

**h-c-a** 11 minutes Color: \$3.60  
 Illustrates and demonstrates the nature of oil painting, the direct and the indirect methods, with reference to historical examples.

**OIL TODAY, POWER TOMORROW (F)**

**i-j** 16 minutes Color: \$4.65  
 The story of oil and how it is brought to the earth's surface. Explains the vast numbers of different products obtained from oil, the importance of the men who work in the oil industry, and the significance of oil as a source of power and heat in the world today.

**OLD AND MODERN NEW ORLEANS (TFC)**

**j-h** 10 minutes B&W: \$1.65  
 Old and new New Orleans, with special emphasis on the old French Section. Scenes include colonial public buildings of French and Spanish origin, cathedrals, parks, statues, quaint streets, iron grilles, balconies, the old French market, small shops, famous old residences, outdoor restaurants, the four universities, etc. *Restricted to Classroom Use.*

**OLD CHIEF'S DANCE (UOK)**

**h-c-a** 6 minutes Color: \$2.90  
 This is a Sioux Indian chief's own life story, told in dance—recounting of outstanding deeds of valor that have marked the dancer's life.

**OLD HICKORY (TFC)**

**j-h** 15 minutes Color: \$4.65  
 Biography of Andrew Jackson, affectionately known as "Old Hickory." Characters include Gov. Claybourne, Lafitte, the pirate, Chief Justice John Marshall, Daniel Webster, Senator Robert Hayne and Abraham Lincoln. Events cover British attack on New Orleans, Jackson's strategy, his refusal to fight a duel, his election as president, the Daniel Webster-Robert Hayne debate over the tariff, and Jackson's action on the tariff. *Restricted to Classroom Use.*

**OLD MAC DONALD (AFMA)**

**i-j-h-c-a** 28 minutes Color: \$2.15  
 Depicts the role of American farmers in producing meat, milk, and eggs for a better fed America, and explains the part the feed industry plays. Stars Stuart Erwin.

**OLD MAC DONALD'S FARM (COF)**

**p-i-j** 12 minutes B&W: \$2.15  
 Bobby and Sally see and play with all the animals on old MacDonald's farm.

**OLD MAN 'POSSUM (LFI)**

**general** 9 minutes B&W: \$2.15  
 Life history of an Australian marsupial. Scenes of the young crawling into the pouch, nursing, and the habitat of the animal.

**OLD MOTHER HUBBARD (UW)**

**general** 11 minutes B&W: \$2.15, Color: \$2.55  
 A cartoon adaptation of the nursery rhyme telling how the little dog goes from the bare cupboard to the king's table.

**OLIVER WENDELL HOLMES (EB)**

**j-h** 18 minutes B&W: \$4.15  
 Reveals, with dramatized episodes from Holmes' life, the reasons for his position of eminence in our national cultural history. Portrays him as he drops the study of law for medicine, and outlines his later accomplishments in that field. Holmes' contributions as a man of letters and as a lecturer, highlighting events incidental to the writing of "Old Ironsides," "Autocrat of the Breakfast Table," and other works.

**OLYMPIC GAMES—1952 (UW)**

**j-h-c-a** 29 minutes B&W: \$4.15  
 The highlights of the major competitions held in Helsinki, Finland. Emphasizes the activities of the U.S. athletes.

**OLYMPIC WINTER THRILLS (OF)**

**j-h-c-a** 9 minutes B&W: \$1.70  
 Depicts the 1948 Olympics held in Switzerland. Includes scenes of hockey, figure skating, skate racing, bobsled racing, and skiing.

**OMAHA—RAIL METROPOLIS OF THE PLAINS (McGH)**

**j-h-c-a** 27 minutes B&W: \$4.65  
 Omaha is the center of operations of the Union Pacific Railroad system. A tour of Omaha, a ride on the California Zephyr, the city's cattle market, the split-second servicing of night trains.

**OMNI BEARING DISTANCE NAVIGATION SYSTEM (CAA)**

**h-c** 31 minutes B&W: \$2.15  
 Describes the principles of operation of the VOR range and explains how to use the aircraft instruments developed to fly this type of radio range.

**ON MEDITERRANEAN SHORES—SOUTHERN GREECE (UW)**

**i-j-h** 20 minutes B&W: \$4.15  
 The relatively barren soils of Greece are shown, in this film, producing a great part of the food needed by the people. By their three level system of farming the people of Greece obtain a large part of their food supply. A few export crops provide funds with which the people of Greece supplement their relatively poor economy.

**ON SEEING FILM, FILM AND LITERATURE (USC)**

**c-a** 17 minutes B&W: \$3.45  
 Made from footage filmed behind the scenes in Ceylon during the Academy-Award-winning film, *The Bridge on the River Kwai*. The narrator explains that believable events, characters, and conduct combine to make a memorable experience whether in a book or in a film. Includes several clips from the feature film itself.

**ON STAGE (McGH)**

**h-c-a** 18 minutes B&W: \$3.75  
 Behind the scenes, as a Broadway play is being produced. Casting, set designing, rehearsing, and actual performance. Maxwell Anderson, Rex Harrison, Jed Harris and other famous stage personalities are introduced, as well as the numerous backstage workers.



**ON THE AIR (JH)**

j-h-c 10 minutes B&W: \$2.15  
Shows how a radio program is written, rehearsed, timed, and produced. The principle of the audio wave, its control, its conversion in the oscillator to a steady carrier wave, its transmission and its reception in the home are explained.

**ON THE LEVEL (JH)**

j-h-c 7 minutes B&W: \$2.15  
Demonstrates how mass and inertia affect straight line progress. In yesterday's car, there was a great deal of unsprung weight consisting of the wheels, axles, running gear, etc. All this weight had an upward pounding effect when the car was driven over rough roads. Decreasing weight in the front axle and the inclusion of the individual spring suspension keep the pounding of the road at a minimum. The wheels get the bumping while the car remains on the level.

**ON THE TRACK (AAR)**

j-h-c-a 18 minutes Color: \$2.15  
Explains the place of railroads in American industry and the meaning of the railroad industry to the American economy.

**ON THE TRAIL (OF)**

general 9 minutes B&W: \$1.70  
Shows scenes of the Rockies, life at a western dude ranch, cowboys, bucking broncos, and old-fashioned coaches with six-horse teams along with an exciting lion hunt.

**ON THE WAY TO SCHOOL (BACKGROUND FOR READING AND EXPRESSION) (C)**

p 10 minutes B&W: \$2.15  
A boy's adventures on the way to school—meeting the milkman, watching a garage being built, looking in on a nest of robins, and watching a train go by. Intended to create interest in activities concerning everyday experiences and help primary children tell a story in an orderly and chronological sequence.

**ONE AGAINST THE WORLD (TFC)**

j-h-c 11 minutes B&W: \$1.65  
Dr. Ephriam McDowell, ridiculed by his profession and threatened by his neighbors, performs a major operation on a human being in Danville, Kentucky, on Christmas Day, 1809. *Restricted to Classroom Use.*

**ONE DAY ON THE FARM (C)**

p 11 minutes Color: \$3.40  
The film shows some of the usual tasks of a farmer and his family: how the cows and chickens are cared for, what they eat, and their value to the farmer in providing products to be sold at market. Signs of autumn and preparations for the moments immediately after the birth of the young calf enrich the visit to a farm.

**ONE DAY'S POISON (IFB)**

general 30 minutes B&W: \$5.75  
A film about the work of the Poison Control Center at the Toronto Sick Children's Hospital. Several dramatized incidents illustrate the variety and number of accidental poisonings among children. The film shows examples of parental carelessness that may lead to tragedies.

**146,000 COULD LIVE (230,000 WILL DIE) (ACS)**

h-c-a 30 minutes B&W: \$2.15  
A dramatic representation of the dangers of cancer. Dr. J. Cameron, Head of the American Cancer Society, narrates this absorbing film. He describes symptoms of the disease and interviews people who have had cancer, but who, because of either luck or wisdom found out about it early enough and were cured.

**ONE LOVE—CONFLICTING FAITHS (MPH)**

h-c-a 27 minutes B&W: \$5.15  
A matter of growing concern to young people, as well as to their parents and churches, is that of inter-faith marriages. The problems encountered in an inter-faith marriage by one young couple is presented with frankness, insight, and without bias.

**ONE MAN'S OPINION (McGH)**

j-h 6 minutes B&W: \$2.15  
Poses the question of whether one person's judgment might reasonably run counter to the majority opinion. A high school class has a campaign to raise funds for a school project, but one student withholds his support because he disapproves

of high pressure methods which put individuals at a disadvantage if they do not wish to contribute. Audience is invited to give opinions.

**ONE MATCH CAN DO IT (BFS)**

j-h-a 10 minutes B&W: \$2.15  
Illustrates the latest scientific methods of sighting, locating, and reporting mountain fires with special instruments. Presents typical instances of carelessness resulting in forest fires. Flood, the aftermath of fire through destruction of the watershed, usually results. Shows methods used in fighting forest fires and the damage done by these fires.

**ONE NATION (CONSTITUTION SERIES) (McGH)**

h-c-a 55 minutes B&W: \$8.65  
This film deals with the men and events connected with the drafting and adopting of the Constitution. It was a tumultuous five-year period, but the Constitution was finally adopted and accepted in 1787, and we were one nation.

**ONE NATION INDIVISIBLE (CONSTITUTION SERIES) (McGH)**

h-c-a 65 minutes B&W: \$8.65  
Shows how the newly-framed Constitution was tested and how indivisibility was slowly determined. Despite a civil war we were and are one nation.

**ONE PEOPLE (ANTI)**

h-c-a 12 minutes Color: \$2.65  
Reviews the settling of America by groups of every national origin and the contributions these groups made to our way of life. Points out that our country's greatness stems from an admixture of races, creeds and nationalities.

**ONE RAINY DAY (BACKGROUND FOR READING AND EXPRESSION) (C)**

p 10 minutes B&W: \$2.15, Color: \$3.40  
One rainy day, children in a class listen intently to a story about another rainy day. When the story is ended, the children have learned how a storm begins with winds, clouds, thunder, and lightning and what the rain does for soil, plants, cities, and people. Suddenly the storm stops and a rainbow appears. The children feel that this is a wonderful way to end a rainy day.

**ONE WAY TO BUILD A FLAT (UC)**

h-c-a 14 minutes B&W: \$3.15  
Demonstrates a method of building a stage flat from reference to the blueprint through the covering of the flat with cloth.

**ONION, THE (IFB)**

j-h-c-a 11 minutes B&W: \$2.15  
The onion is used as an example of the life cycle of a plant. Begins with a highly magnified view of the onion seed showing young plant within. The growth process is then shown by means of microphotography and time lapse-photography.

**OPAQUE PROJECTOR, PURPOSE AND USE, THE (ISU)**

c-a 7 minutes B&W: \$1.50  
The correct operation of the opaque projector is demonstrated. Several different uses for the opaque projector are shown and discussed. The film ends with a challenge to teachers to list ten ways in which they can use the opaque projector in their own teaching.

**OPEN T FORMATION (GF)**

h-c-a 10 minutes Color: \$3.40  
Shows open plays, trick and pass plays of the T formation.

**OPEN WINDOW (IFB)**

c-a 18 minutes Color: \$5.90  
Makes a journey through the countryside of five lands as their great painters have seen them during five centuries of the development of landscape painting. The film is made up, in part or whole, of 59 pictures by 43 world famous painters. The Governments of Belgium, France, Luxembourg, the Netherlands, and the United Kingdom sponsored the film and made available the treasures of their art collections.

**OPERA SCHOOL (NFBC)**

j-h-c-a 33 minutes B&W: \$5.65  
How a young singer prepares for an operatic career. Excerpts from operas are heard throughout the film, including part of a full-dress performance of Mozart's "The Marriage of Figaro," in English.



**OPERATION A-BOMB (McGH)**

j-h-c-a 18 minutes Color: \$6.15  
Field maneuvers of the U. S. Marines at Camp Desert Rock, Yucca Flat, Nevada. The marines are exposed to the A-bomb blast some four miles from the detonation. The effect of the blast upon dummies and equipment is rather shockingly presented.

**OPERATION AIRBORNE (CAA)**

general 21 minutes Color: \$2.15  
In the early days after World War II, the cargo carrier Globe-master transported most of the equipment designed for air force fields. Later, designers came up with the C-124 which has a greater carrying capacity and longer range than the Globe-master. This film is the story of the C-124 and what it can carry. Shows the C-124 being loaded, prepared, and flown to an objective.

**OPERATION AND CARE OF THE AMPRO SUPER STYLIST PROJECTOR (IFB)**

i-j-h 21 minutes B&W: \$3.90  
Demonstrates the proper set-up of the projector and speaker system, the correct method of threading the machine, projection techniques and procedures for packing the equipment. Emphasizes proper maintenance.

**OPERATION AND CARE OF THE BELL AND HOWELL SOUND PROJECTORS (BH)**

j-h-c-a 21 minutes B&W: \$3.95  
Shows how to thread and operate Bell and Howell projectors. Information on machine maintenance. Filmsound models 179 and 185 are used.

**OPERATION AND CARE OF THE RCA PROJECTOR (IFB)**

j-h-c-a 19 minutes B&W: \$3.15  
Explains how to get the best performance from the machine: setting-up adjustment, threading, operating and rewinding.

**OPERATION AND CARE OF THE VICTOR 16MM SOUND PROJECTOR (IFB)**

j-h-c-a 10 minutes B&W: \$2.15  
Operation and maintenance of this projector, including how to thread the machine, make some of the minor adjustments and repairs, clean and lubricate the projector, and set up the machine and speaker for use.

**OPERATION HURRICANE (USDC)**

h-c-a 14 minutes B&W: \$2.15  
Shows how Weather Bureau warning centers reduce the hurricane menace along the Gulf and Atlantic coasts. Explains the operations of the Bureau's warning service, precautions taken against damage, and rescue and relief measures. Animation explains the nature of hurricanes.

**OPERATION WHITE TOWER (McGH)**

j-h-c-a 18 minutes B&W: \$3.75  
A pictorial record of the first scientific conquest of Mount McKinley, filmed with the cooperation of the Boston Museum of Science.

**OPTICAL CRAFTSMANSHIP: INTRODUCTION TO OPTICS (UW)**

a 17 minutes B&W: \$2.65  
Uses animation and practical examples to illustrate the principles of light waves and rays, to show how light is refracted and reflected, and to explain image formation in relation to concave and convex lenses. Studies these principles as applied to optical instruments.

**OPTICAL ILLUSIONS (JUNIOR SCIENCE SERIES) (McGH)**

j 11 minutes B&W: \$2.15  
Explains how the eye functions and shows its similarity to a camera. Describes how the brain puts together the flat images from our two eyes to form a three dimensional image. Implies the persistence of vision. Explains what the "blind spot" is, and demonstrates experiments with optical illusions.

**OPTICAL INSTRUMENTS (EB) (SILENT)**

j-h-c 15 minutes B&W: \$1.65  
Utilizes the principles of reflection and refraction and applies them to optical devices. The film units are: (1) mirrors, (2) eye and spectacle lenses, (3) camera, (4) stereopticon and moving picture projectors, (5) microscopes and telescopes.

**OPTICAL POEM (TFC)**

i-j-h 7 minutes Color: \$2.90  
Music, in terms of color and geometric figures, is interpreted by Oscar Fischinger. Figures and color appear on the screen as the orchestra plays Liszt's *Second Hungarian Rhapsody*. *Restricted to Classroom Use*.

**ORANGE GROWER, THE (EB)**

i-j-h-a 10 minutes B&W: \$2.15  
Depicts all phases of orange growing from planting to shipping and emphasizes the work and care required to produce quality fruit. Portrays a typical orange grower and his family at work: budding, pruning, planting, fertilizing, irrigating, and controlling insects and frost.

**ORCHIDS AND OTHER FLORA OF TROPICAL AMERICA (UW)**

general 10 minutes Color: \$2.65  
Beautiful color photography brings alive twenty types of orchids and other flora of South and Central America.

**OREGON (THIS LAND OF OURS SERIES) (IFI)**

i-j-h 9 minutes Color: \$3.15  
Historical, industrial, geographical, and scenic highlights of the state.

**OREGON AND ITS NATURAL RESOURCES (USBM)**

j-h-c-a 30 minutes Color: \$2.15  
The scenic grandeur and varied resources of minerals, forests, land and water are depicted.

**OREGON TRAIL, THE (EB)**

i-j-h-a 25 minutes B&W: \$5.35  
Re-creates the saga of the westward movement. Stresses the difficulties and hardships of the journey by portraying the experiences of a pioneer family migrating to Oregon in a wagon train.

**ORGAN SOUNDS (AL)**

h-c-a 10 minutes B&W: \$2.15  
Opens with a Bach *Toccata and Fugue*, and then visits an organ factory to observe many operations in the construction of these instruments. Concludes with the singing of a Psalm by a Boys' Choir, accompanied by organ.

**ORGANIZING DISCUSSION GROUPS (EB)**

h-c-a 20 minutes B&W: \$4.15  
Designed for those who are interested in forming discussion groups but need help in going about it. This film dramatizes various steps to be taken by a discussion group.

**ORIENTAL BRUSHWORK (EB)**

h-c-a 16 minutes Color: \$5.65  
Features oriental artists at work, and paintings on silk and paper scrolls from the Freer Gallery of Art. Explains that the Oriental artist suggests the essence, movement, and harmony of things in nature. Illustrates the relationship between painting and calligraphy in China.

**ORIENTAL CITY (CANTON, CHINA) (UW)**

i-j-h 17 minutes B&W: \$4.15  
Habits and customs of oriental urban life. Life of people living on sampans on this river port and life in a Cantonese merchant's home. We watch Chinese artisans making handicrafts from ivory and silver. Produce arriving in Canton by boat and cart shows the dependence of the city upon the surrounding countryside.

**ORIGIN AND SYNTHESIS OF PLASTIC MATERIALS (UW)**

c-a 17 minutes B&W: \$2.65  
Depicts the organic origin of plastics and the resemblance of synthetic compounds to natural substances; synthesis of plastics from natural substances; the form in which plastics are produced; and typical plastic products.



**ORIGIN OF MATHEMATICS (BRF)**

j-h 11 minutes B&W: \$2.15

A background film for understanding the history of numbers, measurement, and calculation. The methods of the cave dwellers, Egyptians, Babylonians, Greeks, Romans and Arabs are illustrated.

**ORIGIN OF WEATHER (CAR)**

h-c-a 25 minutes B&W: \$5.10

Delves into the creation and effects of storms, calms, and freak weather. Shows what cloud formations mean, and demonstrates surprising new electronic methods of determining weather. We ride along with Dr. Malkus in a U. S. Navy reconnaissance plane across the Pacific in a penetrating, exciting exploration of weather.

**ORTHOGRAPHIC PROJECTION (ENGINEERING DRAWING SERIES) (McGH)**

c 18 minutes B&W: \$4.15

Reviews the main principles of orthographic projection. By a combination of animated diagrams and animated photography of specially prepared models, this film attains three-dimensional effects that simplify the explanation of shape description.

**OSCILLATORS (RADIO TECHNICIAN TRAINING) (CAA)**

h-c 11 minutes B&W: \$2.15

Oscillation and variations in oscillations are studied; functioning of a common circuit and tank circuit are explained through the medium of animation.

**OSMOSIS (EB)**

j-h 19 minutes Color: \$5.60

Illustrates the inner mechanism of plants and explains how water is transported throughout the plant. Laboratory experiments illustrate osmosis action, and the other film techniques support the laboratory experience by explaining the laws of nature that make osmosis work.

**OSMOSIS (TFC)**

i-j-h-c 20 minutes B&W: \$3.15

Attempts to present a section of the standard biology curriculum in a manner suited to the 15 year old student. When Jimmy finds it difficult to understand the process of osmosis his detective friend explains it to him with the aid of several experiments at the police laboratory. *Restricted to Classroom Use.*

**OTHELLO (EPC)**

j-h-c-a 42 minutes B&W: \$6.15

A condensed version of Othello. An English cast featuring John Slater, Sebastian Cabot, and Luanne Shaw enact the principal scenes.

**OTHELLO (ACT III, SCENE 3) (UW)**

j-h-c-a 13 minutes B&W: \$2.80

Human weakness and passion obviously intrigued Shakespeare. In *Othello* he shows the hate of one man playing upon the jealousy of another. Performed by the Old Vic Repertory Company.

**OTHER CITY (ACS)**

a 27 minutes Color: \$2.15

Uses Racine, Wisconsin, to symbolically depict the tragedy of the 75,000 who die needlessly of cancer each year. Shows how Racine becomes a silent city without life. Illustrates the contrast between a cycle of orderly growth and nature unruly and without order. Portrays the seven danger signals of cancer.

**OTTAWA, CANADA'S CAPITAL (NFBC)**

j-h-c-a 16 minutes Color: \$2.15

A picture of Ottawa in the full bloom of springtime when the profusion of color seems in strange contrast to the sober purposes of government is given. Shows many beauty spots of the city and shows how Ottawa has capitalized on its many natural endowments to develop a unique capital city.

**OUNCE OF PREVENTION, AN (CAA)**

h-c 28 minutes Color: \$2.15

The story of general aircraft maintenance. It brings out the importance of preventive maintenance in terms of keeping airplanes ready for use on farm and ranch, by the businessman, etc. Shows essential maintenance procedures for protecting airplanes against forces of attrition.

**OUR ANIMAL NEIGHBORS (C)**

p-i 11 minutes B&W: \$2.15, Color: \$3.40

Unless children know what to look for, they do not realize that many small animals are their neighbors. This film acquaints them with the appearance and habits of the rabbit, gray squirrel, fox squirrel, chipmunk, gopher, deer mouse, meadow mouse, shrew, mole, and bat.

**OUR ATOMIC DEVELOPMENT (McGH)**

h-c-a 24 minutes B&W: \$5.15

The story of the development of atomic energy. Progress of the atomic energy program in the United States from the early work of the Italian physicist, Enrico Fermi, to the development of the modern atomic submarine.

**OUR BASIC CIVIL RIGHTS (C)**

j-h-c-a 13 minutes B&W: \$3.15, Color: \$5.15

Civil rights are preserved by our citizens and defined by our courts. Presents basic concepts of civil rights and directs the class toward a detailed study of liberties which are fundamental to our society and defined in law. For general study groups as well as school classes.

**OUR BIG ROUND WORLD (C)**

i-j 10 minutes B&W: \$2.15, Color: \$3.40

There are two air trips taken around the world. The first goes from west to east and proves that the earth is round and that day and night are related to the position of the earth to the sun. The second goes from north to south and visualizes the climatic zones and how climate in the zones is affected by their distances from the equator.

**OUR BILL OF RIGHTS (ACFC)**

j-h 21 minutes B&W: \$3.95

The formation and adoption of the first ten amendments of the Bill of Rights to the Constitution are re-created. The influence of James Madison is clearly shown. Madison, George Washington, Benjamin Franklin, John Randolph, Alexander Hamilton, and John Jay make this historic subject very real. Film states that all facts are authentic and that dialogue is based upon correspondence of the characters portrayed.

**OUR CHANGING FAMILY LIFE (McGH)**

h-c-a 21 minutes B&W: \$4.65

A farm family in 1880 is shown as a closely integrated unit—economically, culturally, emotionally. Members of the three generations living under one roof contribute to a well-established pattern. Religion and recreation, in addition to the sharing of work, play important roles in holding the family together as an institution. Since 1880, industrial expansion, the growth of cities and the political and economic emancipation of women have radically changed the traditional pattern of family life. How the farm family has become less important as an economic and social unit is shown.

**OUR COMMON FUELS (C)**

i-j 11 minutes B&W: \$2.15

Designed for general science courses to show what fuel is and to indicate the sources and uses of our common fuels. The fuels described come under two headings—natural fuels and manufactured fuels.

**OUR COMMUNITY (EB)**

p-i 10 minutes B&W: \$2.15, Color: \$3.40

Illustrates important community institutions and their services by portraying a day in the life of a ten-year-old boy. Shows police and fire protection, health safeguards, parks and recreational facilities. Points out ways in which the members of a community serve each other, and emphasizes that membership in a community is a responsibility as well as a privilege.

**OUR CONSTITUTION (ACFC)**

j-h-c-a 20 minutes B&W: \$4.15

Dramatizes events which led to the Constitutional Convention in Philadelphia. Benjamin Franklin, Alexander Hamilton, George Washington, John Adams and others are portrayed.

**OUR COUNTRY'S EMBLEM (C)**

i-j 10 minutes Color: \$3.40

Children learn why our country has an emblem as well as the meaning of each part. As the class constructs a model of the Great Seal of the United States, they discover a story behind each symbol in the design.



**OUR COUNTRY'S FLAG (REVISED) (C)**

**p-i** 10 minutes **Color: \$3.60**  
 This film explains the meaning of the flag, its symbolism and why it should be respected. The "Pledge of Allegiance" is explained in terms of everyday activities, and rules of respect to the flag are reviewed clearly.

**OUR COUNTRY'S SONG (C)**

**i-j-h-c-a** 10 minutes **B&W: \$2.15, Color: \$3.40**  
 An elementary-school class is led to appreciate *The Star-Spangled Banner* in its study of incidents surrounding the writing of this anthem. The importance of other songs in American history is also cited.

**OUR DECLARATION OF INDEPENDENCE (ACFC)**

**j-h-c-a** 22 minutes **B&W: \$4.15**  
 Dramatizes events from 1763 to 1776, including the Stamp Act, the Quartering Act, the Boston Tea Party, the Committees of Correspondence, and the signing of the Declaration of Independence.

**OUR EARTH (EB)**

**i-j-h** 10 minutes **B&W: \$2.15**  
 An introduction to the study of world geography. Principally a survey of the physical aspects of our planet as they influence concentrations and activities of people. This broad general objective is accomplished by studying oceans and ocean currents, types of coast lines and harbors, rivers, lakes, valleys, plains, plateaus, and mountains.

**OUR FAMILY WORKS TOGETHER (C)**

**p** 11 minutes **B&W: \$2.25**  
 Mike and Susan enjoy helping around the house. This very day they are very excited about the big surprise for their father and are eager to help mother prepare for it. They help in other ways too, like hanging up their own clothes and making their beds. The film stresses the importance of the family playing and working together to make the home a pleasant place in which to live.

**OUR FEDERAL GOVERNMENT (McGH)**

**j-h** 18 minutes **B&W: \$2.95**  
 An introduction to a study of the United States Government. An explanation of the functions of the three main branches and the system of checks and balances.

**OUR FOSTER MOTHER, THE COW (F)**

**p-i-j** 11 minutes **B&W: \$2.90**  
 The human race owes a debt of gratitude to the cow. Babies all over the world are dependent on cow's milk. Includes some factual material regarding farm problems: housing, feeding, breeding, selling, calf care, milking, etc.

**OUR FRIEND THE ATOM (WDP)**

**h-c-a** 50 minutes **Color: \$13.40**  
 History of discovering the secrets of the atoms. Explains the exact methods of affecting and controlling nuclear fission. Shows its implications to transportation, medicine, agriculture and electric power.

**OUR INHERITANCE FROM HISTORIC GREECE (C)**

**i-j-h-c** 10 minutes **B&W: \$2.15, Color: \$3.40**  
 Cultural inheritance from ancient Greece in language, thought, architecture, sculpture, drama, and mathematics are linked directly with their context in modern American life.

**OUR INHERITANCE FROM THE PAST (C)**

**i-j-h-c** 11 minutes **B&W: \$2.15, Color: \$3.40**  
 How much of our modern civilization is a product of the past? Contributions of the past to our modern life are presented, resulting in a better understanding and appreciation of historic advances.

**OUR LIVING CONSTITUTION (C)**

**i-j-h-c** 9 minutes **B&W: \$2.15**  
 How the basis of our government changes and grows to meet the needs of the times while holding to the principles we hold dear. Depicts the Constitution operating in problems which are close to us to guarantee our rights and freedoms and protect the interests of the people as a whole.

**OUR LIVING DECLARATION OF INDEPENDENCE (C)**

**j-h-c** 16 minutes **B&W: \$3.65, Color: \$5.65**  
 Freedom, rights, obligations, the pursuit of happiness—meanings of these terms are explored as this timely film develops

its theme that the Declaration is not a dead historical document, but a vital force and guide of living today. Illustrations from the lives of an immigrant and his children.

**OUR LOUISIANA PURCHASE (ACFC)**

**i-j-h-c-a** 20 minutes **B&W: \$4.15**  
 Dramatizes the historical events in Europe and the United States in connection with the purchase of the Louisiana Territory from France. Portrayed in the film are Napoleon, Talleyrand, Jefferson, and Livingston.

**OUR MONROE DOCTRINE (ACFC)**

**j-h-c-a** 22 minutes **B&W: \$4.15**  
 Henry Clay, John Calhoun, and James Monroe are portrayed in this history of the Monroe Doctrine. Shows the need for issuing the doctrine and explains the forces that were instrumental in shaping that policy. We also see the part played by the South American republics as well as the Holy Alliance of Europe and their aims for world domination.

**OUR NATIONAL GOVERNMENT (KB)**

**j-h-c** 11 minutes **B&W: \$2.15**  
 Portrays historical background and the operation of our national government; also treats its basic philosophy and the devices by which our forefathers sought to maintain order in government while preserving personal liberty.

**OUR NATURAL RESOURCES (DPP)**

**i-j-h** 10 minutes **Color: \$3.40**  
 Presents a broad and inspirational picture of the wealth in natural resources in America and their influence on the way of life. Emphasizes how conservation practices are being employed in using these resources. Sequences include timber, water, copper, iron, limestone, uranium, bauxite, oil, and natural gas.

**OUR NEIGHBORS DOWN THE ROAD (UW)**

**j-h-c-a** 44 minutes **B&W: \$6.15, Color: \$10.15**  
 A motor truck expedition goes along the route of the Pan-American Highway from Caracas to Santiago, Buenos Aires, and Rio de Janeiro with side trip to the Straits of Magellan. Total of 9 countries are visited.

**OUR PART IN CONSERVATION (McGH)**

**i-j** 11 minutes **Color: \$3.90**  
 Two children are taught the importance of conservation, as they see how it is practiced in their community and how its principles can be applied to their own lawn.

**OUR POST OFFICE (EB)**

**p-i** 10 minutes **B&W: \$2.15**  
 When Jimmy and Susan mail a letter ordering a present for their mother, we go behind the scenes at the post office to see how their letter and the rest of the mail is sent out. We see how letters are canceled and sorted; how air mail and special delivery letters are handled. The film highlights everyday activities in a city post office, at an airport where mail is loaded on a helicopter, and in a railway post office.

**OUR PRODUCTIVE INDUSTRY (DPP)**

**j-h** 10 minutes **Color: \$3.40**  
 The development of the present system of mass production is traced from the time of early handcraft methods. Early water-powered mills are compared with modern power sources, and the interdependence of industries is explained.

**OUR SENSES: WHAT THEY DO FOR US (C)**

**p-i** 11 minutes **B&W: \$2.25**  
 Ways in which the five senses of the human body work alone and together to make us aware of our surroundings, how they serve to protect our bodies, and how they increase our enjoyment of living is carefully developed through live photography and animation. Proper care of these vital sense organs is emphasized and aids for defective sight and hearing are discussed.

**OUR SHRINKING WORLD (McGH)**

**i-j-h** 11 minutes **B&W: \$2.15**  
 An overview of the development of transportation and communication. Stresses the gradual bringing together of all the people of the world and pleads for international understanding and cooperation.



## OUR SOIL RESOURCES (FORMATION AND CONSERVATION) (EB)

**j-h-c-a** 11 minutes **B&W: \$2.15**  
Explains graphically how soil is formed by the physical and chemical disintegration of rocks and by the decomposition of plant and animal matter. Points out the world's four soil groups and defines the geographic limits of each in the United States. Describes how man through poor farming methods has depleted the soil, and explains techniques for replacing fertility losses and curbing erosion.

## OUR STAKE IN TROUBLED MOROCCO (McGH)

**h-c-a** 27 minutes **B&W: \$4.15**  
This gives a graphic picture of Morocco today, including trouble spots.

## OUR STAND IN KOREA (UW)

**j-h-c-a** 18 minutes **B&W: \$2.65**  
Beginning with the assault upon the Republic of Korea on June 24, 1950, by North Korean forces, this film presents a chronological report of events in the Korean crisis to July 8, 1950. In the closing scene President Truman states that we are determined to preserve our freedom—no matter what the cost.

## OUR TEACHER (C)

**p** 10 minutes **B&W: \$2.15**  
Points out that a teacher is both friend and helpmate to his students and that it is his job to do his best to impart knowledge to all the children in his classroom. The student's part in making the most of the help offered him is also taken into consideration.

## OUR TEETH (KB)

**i-j-h** 10 minutes **B&W: \$2.15**  
Shows the growth and structure of our teeth, with emphasis on their organic vitality. Besides furnishing complete factual information about our teeth, it gives reasons rather than methods for oral hygiene.

## OUR TOWN BUILDS AN AIRPORT (CAA)

**h-c** 36 minutes **Color: \$2.15**  
Relates the story of how an average community went about the task of building its own airport with the aid of funds and technical assistance provided under the terms of the Federal Airport Act. This film is proving of tremendous value in familiarizing communities throughout the United States with some of the financial and technical problems of airport planning, design, construction and operation.

## OUR TOWN IS OUR CLASSROOM (UW)

**j-h-c-a** 18 minutes **B&W: \$2.65**  
Shows the teaching of pupils about the government of their town. Instead of learning from books, they sit in on the town's council meetings, court sessions, and meetings between citizens and officials.

## OUR TOWN IS THE WORLD (SF)

**j-h-c-a** 11 minutes **B&W: \$2.15**  
Friction between two groups in an average Canadian town reproduces, in miniature, the problems of national ill will and rivalry facing the United Nations. Illustrates the necessity for tolerance between individuals and countries. A general interest film particularly suited to teen-age groups and to adult groups interested in furthering international and intercultural cooperation.

## OUR WEATHER (EB)

**i-j** 11 minutes **B&W: \$2.15**  
Shows what causes the weather, how weather conditions are measured and forecast, and how weather affects our lives.

## OUR WORLD OF SCIENCE (EB)

**p-i** 10 minutes **B&W: \$2.35, Color: \$3.40**  
Explains what science is and how we learn about science. Introduces and defines the words "science" and "experiment," and demonstrates a simple experiment which second graders can do. Develops the idea of an orderly universe and shows a clear-cut working procedure for problem solving in science.

## OUT OF A CHINESE PAINTING BRUSH (ATH)

**j-h-c-a** 11 minutes **Color: \$3.60**  
A famous Chinese artist, Chang Shu-chi, shows how wonders can be performed with a painting brush. Photographed in actual speed, the film reveals the swiftness and grace of his technique.

## OUT OF THE DARK (HISTORY OF ILLUMINATION) (EB)

**i-j-h** 15 minutes **B&W: \$3.75**  
Presents the history of modern incandescence lights beginning with the stone lamp, candles, etc. Also shown are the newest developments with the electrical discharge tube.

## OUT OF THE HEART (KB)

**i-j** 10 minutes **B&W: \$2.15**  
The heart-warming story of a boy and his dog. Kindness, loyalty, patience, teamwork, and other desirable character traits are often strengthened in human beings by associating with animals. Rags, the canine hero of the film, turns the tables on Billy by teaching his master many important secrets of life, while Billy thinks that he is teaching the dog.

## OUT OF TRUE (IFB)

**h-c-a** 41 minutes **B&W: \$7.15**  
Through domestic strain, the mind of a young wife and mother temporarily gives way. After she attempts suicide she is taken to a mental home where modern methods of analysis and treatment disclose the long-hidden cause of her trouble.

## OUTBOARD FISHERMAN, U.S.A. (USDI)

**j-h-c-a** 30 minutes **Color: \$2.15**  
Contains scenes from ten areas in the United States and Alaska showing the catching of ten different species of fish and shellfish using various fishing techniques. Shows how fishermen contribute to the national economy.

## OUTBREAK (HOOF AND MOUTH DISEASE) (USDA)

**h-c** 30 minutes **Color: \$2.15**  
The gripping story of hoof and mouth disease, the centuries-old plague of cloven-hooved animals. Documents disease from its earliest history to the outbreaks in the U. S. and Mexico.

## OUTLAWING FARM FIRES (GPP)

**j-h-c-a** 22 minutes **Color: \$6.65**  
An excellent film showing fire hazards about the farm. It points up a number of danger points and tells what to do about them. This film can save farmers thousands of dollars.

## OVER THE FEEDLOT FENCE (IAA)

**h-c-a** 24 minutes **B&W: \$2.15**  
John Jones, a young livestock producer, discusses his marketing problems with two of his neighbors, over his feedlot fence. His two neighbors, older and more experienced, advise John to take advantage of the livestock marketing program carried out by the Cooperative Livestock Marketing Association, the services of which are made available to all livestock producers through local branches. These efficient, skilled, well-organized agencies are equipped to handle large shipments of livestock, enabling the producer to increase his profits by reducing shipping costs.

## OVERCOMING FEAR (C)

**j-h-c-a** 13 minutes **B&W: \$2.65**  
Shows values of courage in meeting problems in everyday living. Courage is presented as an attitude which can be developed by knowledge, skill, patience, and by recognizing specific fears.

## OVERCOMING WORRY (C)

**j-h-c-a** 10 minutes **B&W: \$2.15**  
We see the devastating effects of needless worry and watch how this prevalent affliction is overcome. This film attempts to help audiences of all ages to examine their own worries more objectively and attack their problems effectively.

## OVER-DEPENDENCY (NFBC)

**c-a** 32 minutes **B&W: \$5.15**  
A case history of a "normal" neurotic—a young married man suffering from hypochondriac tendencies. From discussions with a doctor, Jimmy recognizes a pattern of over-dependent behavior based upon his relationships with his mother, his sisters, and later his wife. Shows psychiatric methods and treatment and Jimmy's gradual recovery of independence and self-esteem.

## OVERHEAD PROJECTOR (ISU)

**h-c-a** 16 minutes **B&W: \$2.40**  
Shows fundamental purposes and use of the 10 x 10 inch overhead projector and the methods of producing transparencies for this equipment.



**OVERTHROW OF THE TWEED RING, THE (YOU ARE THERE) (CBS)**

j-h-c-a 27 minutes B&amp;W: \$5.85

November 7, 1871, New York, the Harper's Weekly cartoonist, Thomas Nast, together with the staff of the New York Times, leads a crusade to defeat the regime of William "Boss" Tweed and his associates who have defrauded the city of 100 million dollars in two and one half years of corrupt government. An historic example of the power of a free press working for the public good.

**OVERTURE (COFI)**

j-h-c-a 9 minutes B&amp;W: \$2.15

The Vienna Philharmonic Orchestra performs Beethoven's Egmont Overture, illustrated by appropriate scenes showing the effects of war and U. N. efforts to aid recovery and reconstruction. The camera picks out faces from many countries represented in the world organization and delves into the past to depict the effects of war and attempts at recovery. The work of the United Nations family of international agencies is shown.

**OVERTURE TO LA TRAVIATA—CHOPIN BALLET (UW)**

j-h-c 8 minutes B&amp;W: \$1.65

The first section of the film is the melancholic overture to the last act of Verdi's Opera *La Traviata*, played by members of the Berlin Opera House and Symphony Orchestra. The second section is a fine ballet interpretation of one of Chopin's lively piano selections.

**OWL AND THE PUSSY CAT (UW)**

p-i 8 minutes B&amp;W: \$1.20

An entertaining cartoon of the nursery rhyme followed in detail with a switch ending.

**OWLS (AL)**

i-j-h 10 minutes B&amp;W: \$2.15

Shows, by means of the telescopic lens, the home life, habits, and characteristics of the eagle owl, horned owl, sparrow owl, and stone owl.

**OXFORD STUDENT (McGH)**

h-c-a 12 minutes Color: \$3.90

The historic past, traditions, colleges, and life today at Oxford University. Shows small classes, tutorial supervision, and reliance on individual initiative. Informal student activities are also presented.

**OXIDATION AND REDUCTION (EB)**

j-h-c 10 minutes B&amp;W: \$2.15

The simultaneous process of oxidation and reduction is presented by burning phosphorus and rusting iron. Mercury rust is decomposed in order to find the component of air responsible for oxidation. Other examples of oxidation and oxidizing agents follow. The process of reduction is presented in the operation of the blast furnace, magnesium burning of dry ice, and thermit welding. Everyday examples of oxidation and reduction are included.

**OXIDES OF NITROGEN (CHEM. LAB. SERIES) (C)**

h-c 19 minutes B&amp;W: \$3.15

The physical and chemical properties of three oxides are noted and demonstrated: nitrous oxide prepared from ammonium nitrate, nitric oxide prepared from dilute nitric acid and copper, and nitrogen dioxide prepared from nitric oxide and oxygen. Equations for the reactions involved above are discussed.

**OXY-ACETYLENE FLAME—MASTER OF METALS (USBM)**

h-c-a 22 minutes Color: \$2.15

The story of oxy-acetylene welding and cutting, from the making of calcium carbide out of limestone and coke and the extraction of oxygen from the air, to the multitudinous uses in twentieth-century industry. Explains by animation how oxygen and acetylene are blended in the welding torch, and how an additional stream of pure oxygen is added in the cutting torch. Demonstrates the speed of oxy-acetylene in each of its jobs. Capabilities of oxy-acetylene with various difficult jobs are demonstrated.

**OXYGEN (C)**

j-h 11 minutes B&amp;W: \$2.15

For introductory chemistry this surveys the properties and characteristics of oxygen and some of its more important compounds. Assists pupils in acquiring knowledge of the preparation, properties, and uses of oxygen, and of its significance to man.

**OXYGEN EQUIPMENT—SERVICING EQUIPMENT IN THE AIRPLANE (CAA)**

a 10 minutes B&amp;W: \$2.15

Demonstrates how to replace and refill oxygen tanks used in different types of planes.

**OXYGEN EQUIPMENT—SERVICING THE HIGH PRESSURE REMOVABLE CYLINDER (CAA)**

a 10 minutes B&amp;W: \$2.15

Demonstrates how to refill oxygen tanks and precautions necessary to prevent moisture and oil getting into the fittings.

**OXYGEN EQUIPMENT—TYPES AND USE AT HIGH ALTITUDES (CAA)**

a 22 minutes B&amp;W: \$2.15

Discusses characteristics and operation of Air Force Oxygen Masks—A-7 Nasal, A-8 and A-8-A Oral Nasal, A-8-B Twin Turret, and A-10 Demand Type. Shows how to adjust and use each properly.

**OYSTERS (SILENT) (EB)**

j-h-c 15 minutes B&amp;W: \$1.65

Gives the life history of the Atlantic oysters. Shows methods used in oyster farming, fishing and canning. Also shows how pearls, formed in the oriental pearl-oyster, are graded, drilled and assembled into necklaces.

**OYSTERS AND MUSCLES (UW)**

general 9 minutes B&amp;W: \$1.65

Abbott and Costello in one of their famous routines with a bowl of oyster stew.

**P. T. BARNUM PRESENTS JENNY LIND (YOU ARE THERE) (YA)**

j-h-c-a 27 minutes B&amp;W: \$5.65

Shows on September 11, 1850, at New York's Castle Garden, the American premiere of the Swedish singer, Jenny Lind, the greatest gamble of Barnum's career. Walter Cronkite reports the event.

**PABLO CASALS (WISDOM SERIES) (EB)**

j-h 28 minutes B&amp;W: \$6.15

The distinguished cellist talks about his life and work. He reveals his precocity as a musician at an early age, speaks of his experiences as a performing artist, conductor, and interpreter of the music of Bach and discusses his hatred of political dictatorship which exiled him from Spain.

**PACIFIC: DISCOVERY AND DEVELOPMENT (EB)**

j-h 10 minutes Color: \$3.40

Explains by animation the role played by the Pacific Ocean in international affairs. Shows growth of man's knowledge of the Pacific through voyages of early explorers. Traces settlement of Pacific island and coastal areas by British, Russians, Germans, French, Dutch, and Americans and discusses establishment of political control by these nations. Reviews defeat of Japan's efforts to control the Pacific.

**PACIFIC HALIBUT FISHING (USDI)**

h-c-a 14 minutes Color: \$2.15

Halibut fishermen have definite techniques. Methods of capturing this fish and the significance of the North Pacific halibut industry are shown.

**PACIFIC ISLAND (McGH)**

j-h-c-a 17 minutes B&amp;W: \$4.15

Life of the peoples of Likiep, a typical coral island in the Marshall Islands. One sees the inhabitants practicing navigation, building a boat, basket weaving, caring for thatched homes, conducting a fishing expedition, attending school, and at worship. High spots are the catching of a giant clam under water by a highly skilled diver, boys hunting turtle eggs, the exciting hunt and capture of a giant-size turtle, and a birthday feast.

**PACIFIC PATTERN (AIR POWER SERIES) (CBS)**

h-c-a 28 minutes B&amp;W: \$5.65

This film tells the story of how American carrier-based air power supported the invasion of Tarawa in the Gilbert Islands and how it was used to neutralize the island of Truk—making further American invasions easier.



**PACIFIC 231 (YA)**

**j-h-c-a** 11 minutes **B&W: \$2.15**  
 Arthur Honegger's descriptive symphonic poem, now a part of the standard repertoire, takes a train for a run over the French countryside. Chugging drivers and their spinning wheels speed over the rails and cross the ties, and make the music. The film won an international prize at Cannes in 1945.

**PADEREWSKI CONCERT (3 PARTS) (OF)**

**j-h-c** 10 minutes each **B&W: \$2.15 each**  
 Ignace Paderewski, one of the great pianists of all times, performs as he did in concert. Included are closeups of his face and hands. Reel 1: A Chopin *Polonaise*; Reel 2: Beethoven's *Moonlight Sonata*, and the performer's own *Minuet in G*; Reel 3: Liszt's *Second Hungarian Rhapsody*.

**PAGEANT OF AMERICAN FARMS (PCA)**

**h-c-a** 15 minutes **Color: N.C.**  
 The history of agriculture from the days of the rugged, self-sufficient pioneer to the present modern, push-button farm. Shows authentic old-time equipment and early farming methods contrasted with the latest innovations such as the confinement systems of livestock breeding and feeding. The film describes the basic changes that have taken place in farm buildings and challenges the new spirit of agricultural engineering with scenes of Frank Lloyd Wright's "Unified Farm."

**PAINT AS YOU PLEASE (UMI)**

**j-h-c-a** 15 minutes **Color: \$5.05**  
 Shows the development of a modern painting from the original pencil and charcoal sketch to the final form. Examples of the work of artists in the past are given to indicate how they attempted to portray nature realistically, dedicating much of their time to the details of the composition. Leading modern artists are shown to express their own interpretations by means of simple designs and patterns. Intended primarily to arouse an interest in painting.

**PAINTER AND POET SERIES: IN TIME OF PESTILENCE; THE PYTHONESS (BIS)**

**j-h-c-a** 9 minutes **B&W: \$1.65**  
 Experiments in words, music and painting. *In Time of Pestilence*: Written by Thomas Nashe, an Elizabethan poet. Narrated by Robert Harris. Drawings by Michael Ayrton. *The Pythoness*: Written by Kathleen Raine, a modern British poetess. Narrated by Cecil Truncer. Drawings by Henry Moore.

**PAINTER AND POET SERIES: JOHN GILPIN (BIS)**

**j-h-c-a** 10 minutes **B&W: \$1.90**  
 An experiment in words, music and painting. Written by William Cowper, an eighteenth century poet. Narrated by Cecil Truncer. Drawings by Ronald Searle.

**PAINTER AND POET SERIES: WINTER GARDEN; SAILOR'S CONSOLATION; CHECK TO SONG (BIS)**

**j-h-c-a** 6 minutes **B&W: \$1.90**  
 Experiments in words, music and painting. *Winter Garden*: Written by David Gascoigne, a modern British poet. Narrated by Michael Redgrave. Paintings by Barbara Jones. *Sailor's Consolation*: Written by Thomas Diddben, eighteenth century poet. Narrated by Stanley Holloway. Drawings by John Minton. *Check to Song*: Written by Owen Meredith, a modern British poet. Narrated by Eric Portman. Drawings by Michael Warre.

**PAINTER AND THE POINTER (ANDY PANDA) (UW)**

**general** 8 minutes **B&W: \$1.65**  
 Andy Panda attempts to paint a portrait of his dog.

**PAINTING A PORTRAIT (EB)**

**h-c-a** 11 minutes **Color: \$3.80**  
 This sequel to *DRAWING A PORTRAIT* gives a skillful, easy-to-follow demonstration of techniques for achieving a successful likeness in watercolor. Suggests ways to develop skill in forecasting drying time and fading, interpreting the effects of lighting on the planes and angles of the face, and the use of color accents and highlights to give a three-dimensional effect.

**PAINTING AN ABSTRACTION (EB)**

**h-c-a** 9 minutes **Color: \$3.40**  
 This form of contemporary painting is demonstrated by Eliot O'Hara, nationally known water colorist and art teacher. A graphic step-by-step account of the painting in progress effectively contrasts the abstract painting of this film with the representational painting of the same scene as featured in *Painting Reflections in Water*.

**PAINTING AND DECORATING (VGF)**

**j-h-c** 9 minutes **B&W: \$2.15**  
 Shows the tools, skills and problems connected with interior and exterior painting. Apprenticeship requirements are outlined as are the ethics of the vocation.

**PAINTING CLOUDS (EB)**

**j-h-c-a** 19 minutes **Color: \$5.65**  
 A guide to the interpretation of clouds in watercolor paintings. Eliot O'Hara demonstrates ways to represent the basic cloud forms, to suggest their movement, and to capture natural lighting effects. Shows how cloud forms may be used to set the mood for a painting, accent the dominant features in a landscape, or complete the artist's interpretation.

**PAINTING CROWDS OF PEOPLE (EB)**

**j-h-c-a** 11 minutes **Color: \$3.40**  
 Eliot O'Hara demonstrates brush strokes and techniques which he uses in producing a feeling of movement in crowd pictures. Shows how colors can intensify the sense of motion in a painting. Includes views of paintings of crowd scenes by Marin, Daumier, and Dufy.

**PAINTING: LEARNING TO MIX COLORS (YA)**

**i-j-h-c-a** 6 minutes **Color: \$2.40**  
 Demonstrates and explains the three primary colors as the source of the secondary colors and all their intermediate shades.

**PAINTING: LEARNING TO USE YOUR BRUSH (YA)**

**i-j-h-c-a** 9 minutes **B&W: \$2.15**  
 Explains the simple materials required to start painting, and demonstrates the basic brush strokes used. Intended to stimulate and explain painting as a leisure-time activity.

**PAINTING REFLECTIONS IN WATER (EB)**

**i-j-h-c-a** 11 minutes **Color: \$3.40**  
 Eliot O'Hara, working in watercolor, demonstrates how he achieves the literal representation of reflections in water. Special emphasis is placed on the achievement of reflecting vertical lines, oblique lines, and slanting surfaces. The film also reveals how the artist differentiates between essential and nonessential detail. Picturesque Gloucester harbor is the subject reproduced.

**PAINTING SHADOWS (EB)**

**j-h-c-a** 11 minutes **Color: \$3.40**  
 Demonstrations by Eliot O'Hara, distinguished watercolor painter and teacher, showing how an artist's interpretation of shadows can give character and richness to natural scenes. Shows the application of the four basic elements of lighting: the direct light of the sun; shadows influenced by sky; shadow with reflected light; and shadow with very dim light.

**PAINTING: SOLID FORMS (YA)**

**i-j-h-c-a** 10 minutes **B&W: \$2.15**  
 Points out that solid objects have three dimensions—height, width, and thickness. Demonstrates how the painter gives roundness or thickness to the solid object he is painting.

**PAINTING TREES WITH ELIOT O'HARA (EB)**

**j-h-a** 17 minutes **Color: \$5.65**  
 On a sketching trip, Eliot O'Hara shows us different trees in many parts of America and Hawaii. He points out the symbols in trees; for example, the maple suggests the letter U, the sycamore branch, a sickle. And as he sketches, he explains the special techniques required to paint different trees and to express their individualities.

**PAINTING WITH CALLIGRAPHY (EB)**

**j-h-c-a** 11 minutes **Color: \$3.40**  
 A significant addition to Eliot O'Hara's previous demonstrations of brush techniques. Traces the development of calligraphy, the transition from handwriting to painting in oriental art, and the use of calligraphy in painting today.

**PAINTING WITH SAND: A NAVAJO CEREMONY (EB)**

**j-h-a** 11 minutes **Color: \$3.40**  
 Portrays the traditional sand painting healing rite as performed by a Navajo medicine man for his ailing son. Reveals the beauty of a unique art form, and stresses its significance in the tribal life of the Navajos. Presents actual sand paintings in full detail against a colorful Southwest background.



**PAKISTAN (EB)**

**i-j-h-a** 12 minutes Color: \$5.15

A geographer's view of the young republic of Pakistan, a country of millions of Mohammedans living on the crowded sub-continent of Asia. Shows its attempt to change to modern and efficient ways.

**PALESTINE (MOT)**

**j-h-c-a** 12 minutes B&W: \$3.15

The story of that rugged country, today undergoing great agricultural and industrial change at the hands of some 570,000 Jews who are determined to mould it into a modern Jewish State. Film reveals not only the progress thus far made toward modernization of the Holy Land, but also the problems to be solved and the obstacles to be surmounted before the Jewish people can achieve their objective.

**PALMOUR STREET—A STUDY OF FAMILY LIFE (HPI)**

**a** 27 minutes B&W: \$3.65

Events in the daily life of the Negro families living on Palmour Street in Gainesville, Georgia, are shown to illustrate certain basic concepts of mental health as they relate to family life, and some of the basic ways in which parents influence the mental and emotional development of their children.

**PALOMINO—THE GOLDEN HORSE (SM)**

**i-j-h** 9 minutes Color: \$3.40

Scenes of a California horse ranch. Tells a little of the care and training of the Palominos and gives some fundamentals of riding.

**PANAMA (RKO)**

**general** 17 minutes B&W: \$3.85

A film story of the narrowest strip of land in the western hemisphere which has been in the news almost continuously for sixty-five years and figures prominently in the future of the United States. For more than thirty years, the United States has operated that international traffic channel, the Panama Canal.

**PANAMA AND NICARAGUA (PFI)**

**h-c-a** 11 minutes Color: \$3.40

Explains why these countries, in the "Panama Canal Region" are so important to us and to all civilization. How the canal works. Why a second canal through Nicaragua is now a probability.

**PANAMA CANAL, THE (C)**

**i-j-h** 11 minutes Color: \$3.40

A brief history of the canal—how it operates and its importance. A trip through the canal shows important features and cities.

**PANAMA: CROSSROADS OF THE WESTERN WORLD (C)**

**i-j-h** 11 minutes B&W: \$2.15, Color: \$3.40

Panama, crossroads for travel and trade between North and South America, and the Atlantic and Pacific Oceans. Presents life and surroundings of the people.

**PANAMA CANAL: GATEWAY TO THE WORLD (EB)**

**i-j-h-a** 14 minutes Color: \$5.00

By following a pilot as he guides an oil tanker through the canal, we see how the canal works, learn of the history of its construction, and understand its importance to world trade.

**PANDORA'S BOX (MIGHTY MOUSE) (UW)**

**p-i** 5 minutes B&W: \$1.20

Pandora, a happy field mouse, opens the magic box. Out leap three witch's cats and their powers for evil outdo ordinary mousers, but they are no match for Mighty Mouse. The battle wrecks the box and the fun is fast and furious as Mighty Mouse scores again.

**PANTRY PANIC (WOODY WOODPECKER) (UW)**

**general** 8 minutes B&W: \$1.50

Woody Woodpecker stays north, instead of going south for the winter—and has an exciting run-in with a hungry cat.

**PAPER (EB)**

**i-j-h** 11 minutes B&W: \$2.15

Tells the story of paper-making. Portrays trees being cut, sawed into logs, and floated downstream to the mill. Describes how the logs are ground into chips, and how the pulp is further processed and finally made into finished sheets of paper.

**PAPER AND PULP MAKING (C)**

**i-j-h** 11 minutes B&W: \$2.25, Color: \$3.40

Follows methods involved in the conversion of wood to pulp and pulp into paper.

**PAPER FORESTS (AF)**

**j-h-c** 11 minutes B&W: \$2.15

It takes a year from the time a tree is felled until it becomes your morning newspaper. The production of paper pulp is traced through every phase—cutting trees, hauling them to rivers, coping with the spring thaw, driving the logs downstream to sorting bins, and finally arriving at the paper mill.

**PAPER IN THE ROUND (YA)**

**j-h-c-a** 11 minutes Color: \$3.90

Paper sculpture techniques of folding, scoring, cutting, curling, slotting, shaping, and tabbing are demonstrated, together with examples of masks, figures, and forms created from these techniques. Two children assist, but the major part of the demonstration is handled by an adult. Significance of tools and paper quality is discussed.

**PAPER MAKING (C)**

**i-j** 22 minutes B&W: \$3.75

Starting with winter logging operations, logs are followed through conversion into pulp and paper.

**PAPER: MILESTONES IN WRITING (USC)**

**h-c-a** 10 minutes Color: \$3.40

The actual process of paper making as practiced by the ancients is demonstrated. Dr. Frank Baxter screens vegetable matter consisting of ground leaves, bark and grass, and makes a wet pulp which is pressed out flat and left to dry. When the product is cured, it becomes what we know as paper. Dr. Baxter points out that the great books of the past were printed on paper made in this crude but efficient way.

**PAPER SCULPTURE (CREATIVE HANDS SERIES) (IFB)**

**p-i-j** 5 minutes Color: \$2.40

Indicates some of the possibilities of paper sculpture as a creative art form. Middle grade children are shown at work, and their products are shown at various stages as well as in finished form. Emphasis is on originality, with concrete suggestion on techniques such as folding, rolling, curling, and cutting paper.

**PAPYRUS (MILESTONES IN WRITING) (USC)**

**h-c-a** 10 minutes Color: \$3.40

Dr. Baxter explains how the ancient Egyptians depended upon the papyrus plant for many things, particularly for paper making. He demonstrates the ancient technique of splitting papyrus stalks, criss-crossing them, applying glue, and pressing, to form sheets of writing material.

**PARACHUTES: ADJUSTMENT OF THE HARNESS (CAA)**

**c** 17 minutes B&W: \$2.15

Shows how the parachute harness is fitted to the individual and then sewed so that it will stay in adjustment.

**PARACHUTES—CONSTRUCTION AND TYPES (CAA)**

**h-c** 10 minutes B&W: \$2.15

Gives an over-all survey of the use, manufacture, packing, and construction of parachutes. Also shows five methods of attaching the parachute to the body.

**PARACHUTES—FOLDING AND PACKING THE SERVICE SEAT PARACHUTES (CAA)**

**c** 18 minutes B&W: \$2.15

Step-by-step procedure in servicing the service seat-type parachute. Shows how to unpack and pack the chute.

**PARACHUTES FOR SAFETY (CAA)**

**j-h-c** 22 minutes B&W: \$2.15

Shows the use, manufacture, inspection and maintenance of parachutes.

**PARACHUTES: MAINTENANCE (CAA)**

**c** 18 minutes B&W: \$2.15

Demonstrates routine inspection of parachutes, including step-by-step procedure in making the various kinds of repairs, and covers drop-testing, cleaning canopies, storage methods, and packing for shipment.



**PARACHUTES: USE OF THE PARACHUTE (CAA)**

**c** 6 minutes **B&W: \$2.15**  
Warns about keeping parachutes free of oil, grease, and the like. Demonstrates how to jump from a plane; how to land in trees and in water; how to collapse the parachute after landing.

**PARAGUAY (UW)**

**j-h-c-a** 14 minutes **B&W: \$2.15**  
Film view of this hardy, independent people, their quebracho and mate industries and side lights on Indian influence.

**PARALLEL LINES (JHP)**

**h** 11 minutes **B&W: \$2.15**  
A geometry motivation film, intended to show the concept of parallel lines and transverse angle relationships. Presents specific instances of application of the laws of parallel lines and a review of the material presented.

**PARAMECIUM (UW)**

**j-h** 11 minutes **B&W: \$2.15**  
Excellent microphotography shows the growth, activity, and reproduction of the paramecium. Animation aids the presentation. The action of the cilia, rotation of the paramecium as it swims, action of the vacuoles, and conjugation are shown.

**PARASITIC PLANT: THE DODDER (EB)**

**j-h-c** 10 minutes **B&W: \$2.15**  
The entire life story of the dodder, one of the best known of the group of parasitic flowering plants, is shown by means of time-lapse photography. Among the more impressive features is the presentation of the dodder twining about the host plant. Animation aids in revealing details in the structure and operation of the sucker. The destructive character of this plant is demonstrated as well as its beauty.

**PARATROOPS (CAA)**

**j-h-c** 8 minutes **B&W: \$2.15**  
An instructive presentation of the training of our parachute troops, including those trained as paraski-troops.

**PARENTS ARE PEOPLE TOO (McGH)**

**j-h-c-a** 15 minutes **B&W: \$3.95**  
This film considers how students can work with parents to gain better mutual understandings, and how family discussions can replace arguments and help to establish good family relations.

**PARICUTIN VOLCANO (UW)**

**j-h-c** 21 minutes **B&W: \$2.90**  
Locates San Juan and Paricutin, in Mexico, and relates the story of the earthquake which causes a new volcano to erupt. Explains reasons for the eruption diagrammatically on cross-sectional charts of the earth's surface. Shows effect of the lava eruption on the people and the town.

**PARIS: CITY OF ART (EB)**

**j-h-c-a** 10 minutes **B&W: \$2.15**  
The Louvre with its famous paintings and sculptures; Montmartre artists at work; representative buildings and architecture such as Sacre Coeur, Notre Dame and the Pantheon.

**PARIS—NEW YORK (MOV)**

**j-h-c-a** 20 minutes **B&W: \$2.15**  
Shows the facilities and equipment of the steamship, "Liberte," from forecandle to the fantail.

**PARIS 1900 (BRF)**

**c-a** 80 minutes **B&W: \$13.15**  
A rare and unusual film, made up mainly of newsreel shots, combined with an outstanding commentary by Monty Wooley. Great and near great personalities of the world at the turn of the century are shown, against the background of the gay, fabulous Paris of the era between 1900 and World War I.

**PARIS: THE AGELESS CITY (YA)**

**i-j-h-a** 11 minutes **B&W: \$2.15, Color: \$3.90**  
Visits the Louvre, the Place de la Concord, Notre Dame, the Arc de Triomphe, the Seine and its bridges, and takes a trip in an elevator up the Eiffel Tower.

**PARIS: THE CITY AND THE PEOPLE (C)**

**i-j-h** 11 minutes **Color: \$3.60**  
No study of France could be complete without an appreciation of the unique role Paris plays in the life of the people of France. This study of Paris and its people develops basic economic, cultural, social, and political concepts of the French capital. Includes the history of Paris and its famous landmarks.

**PARLIAMENTARY PROCEDURE (NFBC)**

**j-h-c-a** 21 minutes **B&W: \$3.75**  
Rules of procedure clearly shown by means of a commentator, who points out the functions of the chairman, the purpose and correct manner of presenting a motion, an amendment, point of order or information, and other rules up to the motion for adjournment.

**PARLIAMENTARY PROCEDURE (C)**

**j-h-c-a** 11 minutes **B&W: \$2.15**  
Dropping in on a session of a well-run high school club, we observe proper procedure for seconding motions, amending motions, calling for a division of the house, rising to a point of order, tabling a motion, and all other commonly used parliamentary forms.

**PARLIAMENTARY PROCEDURES IN ACTION (C)**

**j-h** 13 minutes **B&W: \$3.15**  
Demonstrates the proper procedure in a meeting of a high school dramatics club. The calling of the meeting to order, reading the minutes, proper order of business, reports of committees, handling motions, amendments to motions, and voting.

**PARTICLES OF MATTER (UW)**

**i-j** 14 minutes **Color: \$4.70**  
This film is concerned with essential theories and understanding related to mass and energy. Structure, properties and behavior of atoms are illustrated.

**PARTIES ARE FUN (C)**

**p-i** 10 minutes **B&W: \$2.15**  
Here is a party for the youngsters, with all that makes parties fun. The film tells how to plan for and behave at a party. Children will plan the party with the young hostess in the film, and then share in the pleasure of the games and presents.

**PARTNERS (AIC)**

**j-h-c-a** 31 minutes **Color: \$2.15**  
Tells how the farmer cooperative has become an important part of the farmer's business operations, how farmers really work together, and how big business also uses the cooperative idea to operate more efficiently.

**PARTNERSHIPS AMONG PLANTS AND ANIMALS (C)**

**i-j** 10 minutes **Color: \$3.60**  
Three types of plant and animal partnerships are explored—those between animals, between plants, and between animals and plants. In their natural settings, we observe such interesting partnerships as that of the ant and aphid, the hermit crab and bryozoans, algae and fungi in lichen, red clover and nitrogen-producing bacteria, and red clover and the bumble bee.

**PARTS OF NINE (YA)**

**p** 10 minutes **B&W: \$2.15**  
Develops the meaning of the number 9 through experience situations and the use of concrete material involved in preparing for a birthday party.

**PARTS OF THINGS (YA)**

**p** 11 minutes **B&W: \$2.15**  
Develops the meanings of one-half and one-fourth of single things, as introduction to concept of fractions. Abstract objects are carefully explained in relation to real things.

**PASCAL'S LAW (JR. SCIENCE SERIES) (McGH)**

**j** 13 minutes **B&W: \$2.60**  
Illustrates principles concerning water pressure.

**PASSENGER TRAIN, THE (EB)**

**p-i** 11 minutes **B&W: \$2.15, Color: \$3.40**  
The audience shares Bobby's trip on a transcontinental train ending at a colorful station in the heart of the West. Bobby learns about the organization of a passenger train and about the many services that contribute to the speed, safety, and comfort of the passengers.

**PASSION FOR LIFE (BRF)**

**h-c-a** 83 minutes **B&W: \$16.05**  
A revolutionary change in educational practices comes to a French village when the stern old school master is replaced by Mr. Pascal. Mr. Pascal's "progressive" program affects the entire community, despite resentment from a few nonbelievers. Teacher education groups, general audiences, and PTA groups will find this portrays the aims of modern education.



**PATHWAY INTO LIGHT (BIS)**

**j-h-c-a** 19 minutes **B&W: \$3.15**  
The work of Louis Braille who developed the alphabet for the blind. Describes the process of the Braille system and shows how books are printed. We see how blind children are taught to read in special schools.

**PATRICK HENRY OF VIRGINIA (VSBE)**

**i-j-h** 14 minutes **B&W: \$3.15**  
Filmed where he lived, a first person narrative relives the life of this famous American. Includes his early career as a lawyer, and his "liberty or death" speech.

**PATTERN FOR PEACE—CHARTER OF THE UNITED NATIONS (BIS)**

**j-h-c-a** 15 minutes **B&W: \$3.25**  
Portrays the structure and purposes of the United Nations Organization through an analysis of the work of the General Assembly, the Security Council, and the various commissions designed to assist in the task of forging world peace.

**PATTERN TYPES (SEW EASY SERIES #2) (AL)**

**j-h-c-a** 12 minutes **B&W: \$2.15**  
Shows the different kinds of figure types and the relationship between them. Variations in the average figure are explained. Using models, pattern shells, and other ingenious teaching devices. Shows the differences among the girl, teen, junior, misses, half sizes, and full figures of today's women.

**PATTERNS IN MATHEMATICS (TEACHER EDUC. IN MODERN MATH. SERIES) (McGH)**

**c-a** 13 minutes **B&W: \$3.15**  
Approaches mathematics in the high school curriculum as a series of interlacing patterns.

**PATTY GARMAN, LITTLE HELPER (F)**

**p-i** 10 minutes **Color: \$3.00**  
A six-year-old girl helps on her family's farm by gathering eggs, feeding goats and calves, etc.

**PATTY LEARNS TO STOP, LOOK, AND LISTEN (F)**

**p-i** 19 minutes **Color: \$4.30**  
Shows the true happenings in the actual recovery of Patty Garman who ran out on a crowded highway and was hit by a car. Stresses child hospitalization and care, rather than safety, as it does not show whether the accident was Patty's fault or due to careless driving.

**PAUL BUNYAN AND JOHNNY INKSLINGER (IMP)**

**p-i** 11 minutes **B&W: \$2.65**  
One of the tales of Paul Bunyan, legendary giant lumberjack of the American north woods.

**PAUL BUNYAN AND THE BLUE OX (C)**

**p-i** 8 minutes **B&W: \$1.90, Color: \$2.40**  
A puppet film. How Paul Bunyan found "Babe, the Blue Ox," and put her to work.

**PAY ATTENTION (NYU)**

**c-a** 31 minutes **B&W: \$5.55**  
Shows the education and personality problems faced by the child who is hard of hearing, but is not "deaf." Suggests ways in which parents, teachers, and specialists can help. Selected pre-school, school age, and high school children who are hard of hearing are followed through a variety of problems and remedial techniques. The use of "context" methods of teaching speech reading and early use of hearing aids where appropriate are stressed.

**PEACE AND FRIENDSHIP IN FREEDOM (USIA)**

**j-h-c-a** 40 minutes **Color: \$9.65**  
Reports in detail the December, 1959, visit of President Eisenhower to eleven countries. This film record of a trip undertaken in the cause of peace and friendship in freedom shows many of the world's great leaders and is an excellent commentary on a recent world event as well as a colorful travelogue.

**PEACE CAME TO AMERICA (OWI)**

**j-h-c-a** 11 minutes **B&W: \$2.15**  
There are many problems to be faced at the end of the war—soldiers to be brought home, healed, and assisted with GI loans and educational aid.

**PEACE LOVING SWITZERLAND (F)**

**i-j-h** 16 minutes **Color: \$4.60**  
Emphasizes Switzerland's international importance and the characteristics of the Swiss people. Shows teen-age school girls on field trips: to the grain harvest, the potato harvest, the pottery, Thun Village, and to see the decorated herds of cattle. Shows scenes on a cable car trip to the snow line at Zermatt.

**PEACEFUL ASSEMBLY AND FREE SPEECH (McGH)**

**h-c-a** 22 minutes **B&W: \$4.65**  
A group of citizens hoping to form an Indianapolis Chapter of the American Civil Liberties Union were refused meeting places on the grounds that its meeting was of a controversial nature. When they were finally given a hall, the American Legion conducted an executive session to protest the meeting. Edward R. Murrow presents parts of the two meetings as a political debate with assertions and rebuttals from each side. From Edward R. Murrow's TV program: See It Now.

**PEACEFUL ONES (AV)**

**j-h-c-a** 10 minutes **Color: \$3.80**  
A visit to the oldest of the Hopi Village, Old Oraibi—typical of the matriarchal society of this tribe, wherein the women own the property, and the men do the work. We follow the men in their daily tasks tending their tiny fields, carving colorful Kachina dolls, weaving rugs, and presenting the ancient prayer for rain.

**PEARL HARBOR (AIR POWER SERIES) (CBS)**

**h-c-a** 28 minutes **B&W: \$5.65**  
Official films of the Japanese Navy, captured after World War II, present in starkly realistic terms every significant detail of the fiery attack on the American naval bastion at Pearl Harbor.

**PEARL HARBOR AND NORMANDIE (UW)**

**h-c-a** 11 minutes **B&W: \$2.15**  
An authentic movie record of the attack that led to America's entry into the war. Destruction of the liner Normandie by fire is also shown.

**PEARLERS (ANIB)**

**j-h-c-a** 18 minutes **B&W: \$2.90**  
This film tells the story of the men who man the pearling luggers of northern Australia, the source of most of the world's mother-of-pearl shell.

**PEDALER (MFA)**

**p-i-j** 11 minutes **Color: \$2.40**  
An amusing film explaining what Timothy learns about bicycle safety from his young friend, Jimmy, and the local police.

**PEDDLER AND THE MONKEYS, THE (ACTING OUT STORIES) (C)**

**p** 10 minutes **B&W: \$2.15, Color: \$3.40**  
A teacher first reads the story and then the children in her class act the story out.

**PEG LEG PETE, THE PIRATE (OF)**

**general** 8 minutes **B&W: \$1.70**  
Pete, the Pirate, is rough on mice. The mice bombard Pete with eggs from a crow's nest.

**PEIPING FAMILY (McGH)**

**i-j-h-c-a** 20 minutes **B&W: \$4.15**  
This is a simple narrative of a middle class Chinese family—Dr. C. F. Wu, a biology teacher, Mrs. Wu, their son, Didi, their daughters, Dr. Wu's parents, his student assistant, and the family maid. We see the struggles of an American-educated Chinese and his wife to provide for their large family and to educate properly the eldest daughter, Yu-Mei.

**PEKING—MARCO POLO'S WONDER (ATH)**

**j-h-c-a** 10 minutes **Color: \$3.40**  
Scenes in the city which has been repeatedly chosen as the capital of China. Includes the Marco Polo Bridge, the Forbidden City, North Sea Park, the Temple of Heaven, the Summer Palace, etc.

**PEN POINT PERCUSSION AND LOOPS (NFBC)**

**j-h-c-a** 9 minutes **B&W and Color: \$2.15**  
*Pen Point Percussion:* An explanation of the principles and production of synthetic sound, showing Norman McLaren's experimentation with hand-drawn sounds on film. *Loops:* An experimental film in which sound and visuals are created entirely by drawing upon film.



**PENCIL AND THE PLOW (SRC)**

h-c-a 25 minutes Color: \$2.15

Shows how information from the Agricultural Marketing Service helps the farmer to evaluate trends and outlook for farm products.

**PENDULUM, THE (JUNIOR SCIENCE SERIES) (McGH)**

j 11 minutes B&amp;W: \$2.15

Explains what a pendulum is; what the speed of a pendulum depends on; and how to find the center of oscillation of an object. Shows balancing stunts involving center of oscillation. Also describes the center of percussion.

**PENMANSHIP IMPROVER (TAE)**

h-c-a 10 minutes B&amp;W: \$2.15

Mrs. Maude Collins Genochio's method of developing skill in writing three simple strokes which make up more than 80 per cent of all handwriting is illustrated.

**PENOLOGY RESEARCH (THE SEARCH) (CBS)**

c-a 27 minutes B&amp;W: \$5.65

A vivid, first-hand account of prison life, both from the viewpoint of the prisoner and the authorities, is presented in this story compiled by the students of the University of California. Touring the prison at San Quentin, we see the conflicting view of both sides in the rehabilitation of criminals.

**PEOPLE ALONG THE MISSISSIPPI (EB)**

i-j-a 19 minutes B&amp;W: \$4.15

People who live along the Mississippi River brought to America, from their former home lands, rich heritages. Geography of the region, the work of the people and the important network of cities along the water route are depicted.

**PEOPLE OF A CITY (EB)**

j-h-a 18 minutes B&amp;W: \$3.15

Filmed by Arne Sucksdorff. Provides an intimate glimpse of life in Stockholm, Sweden, people, sights, sounds, and activities of the city—no narration.

**PEOPLE OF CHILE (HFE)**

j-h 22 minutes B&amp;W: \$3.85

An over-all concept of Chile in terms of her present day people, the farmers and city workers; their social and home lives. Summary of the history of Chile's people. Shows the geographical peculiarities of this country which cause such extremes in wealth and poverty.

**PEOPLE OF GREECE (EB)**

i-j-h-a 14 minutes Color: \$5.15

Pictures the classic vestiges of a great culture and the age-old ways of the rural people that recall the many centuries of Greek national history. Reveals how the people of Greece are making valiant efforts to regain a worthy place in world commerce, with shipping, fishing, fruits, tobacco products, and marble as their chief economic assets.

**PEOPLE OF MEXICO (EB)**

i-j-h 10 minutes B&amp;W: \$2.15

Reviews geographic and economic aspects of modern Mexico. Origin of the Mexican people, with emphasis on their dependence upon the land. A feast day in a small village, including ceremonies, dances, songs, and music.

**PEOPLE OF NORWAY (BFS)**

i-j 15 minutes Color: \$4.80

This film shows how the rugged Norwegian environment affects the living habits of the people, and how they adapt to the various geological climatic conditions. It is an intimate story of the life of the people, showing their daily occupations, their recreation, their homes, cities, farms and industries. Norway, which is the northernmost civilized country of the world, demonstrates that the seas do not isolate her, but serve to unite her with all other countries.

**PEOPLE OF OAXACA (IFI)**

j-h-c-a 20 minutes B&amp;W: \$4.15

Tells of the isthmus people of Mexico who built the buildings of Mitis and Monte Alban, and of their progress in our modern world.

**PEOPLE OF SABA (C)**

i-j-h 10 minutes B&amp;W: \$2.15

The simple life of the people who live on this volcanic island of the Netherlands West Indies in the Caribbean. Shows how, despite the backward technology of their ancestors, they enjoy benefits of modern education, medicine, and government.

**PEOPLE OF SPAIN (EB)**

i-j-h 16 minutes Color: \$5.65

Shows many of the arts and cultures of ancient Spain which are still in evidence today. Many of Spain's most modern cities still show the old world culture. A brief résumé of Spain's eventful history.

**PEOPLE OF THE ARCTIC (KB)**

i-j-h 18 minutes B&amp;W: \$2.90

The geography, the resources, the people and their manner of life in far northern Alaska, Labrador, Greenland and north-eastern Siberia. The film covers the whole circle of the Arctic Ocean.

**PEOPLE OF THE CONGO (THE MANGBETU) (EB)**

i-j-h-c 10 minutes B&amp;W: \$2.15

Presents a study of the Mangbetu peoples living in tropical forest regions of Africa. Emphasis on cleanliness in well-built, immaculate homes. Shows the careful preparation of a cooked meal, using fish, bananas, manioc root, sugar cane, in clay cooking utensils made by hand. Head binding, native arts and crafts, sketching, design, woodcarving, and construction of native musical instruments.

**PEOPLE OF THE NETHERLANDS (EB)**

i-j-h-a 19 minutes Color: \$4.90

Reviews the development of the Dutch people; shows how they have battled the sea to create land for a rapidly growing population; and discusses the factors that have made the Netherlands one of the leading nations in industry and trade.

**PEOPLE OF THE REINDEER: (WIND FROM THE WEST) (EB)**

i-j-h-a 20 minutes B&amp;W: \$3.65

After following reindeer herds as a nomad people, the Lapps of Sweden settled down to village life. Nils, a young Lapp youth, has a daydream which takes him back to the cultural life of the Lapps in ages past.

**PEOPLE OF THE WESTERN SHORE (CW)**

i-j 16 minutes B&amp;W: \$3.15

Presents the Pacific Coast region through the daily lives of people working in certain key industries. Shows that each of these people is dependent upon others in our complex civilization.

**PEOPLE OF TWO WORLDS (UW)**

h-c-a 10 minutes Color: \$3.40

Shows the ancient Mayan ruins of Yucatan and the Mayan Indians of today. Contrasts the two civilizations.

**PEOPLE OF WESTERN CHINA (EB)**

i-j-h 11 minutes B&amp;W: \$2.15

Reveals the influence of habits and customs of past centuries in present day China. Methods of agriculture, irrigation, and the culture and wide use of bamboo are shown. Arts and crafts, methods of transportation, and engineering skills are depicted in their traditional settings and contrasted with modern technological developments.

**PEOPLE WHO WORK AT NIGHT (FA)**

p-i 13 minutes B&amp;W: \$2.80

Shows helpful services rendered by people who work at night. Depicts a taxi driver, gas station attendant, druggist, bus driver, hotel clerk, etc. Visits a newspaper plant, dairy, bakery and a factory.

**PEOPLE'S CHARTER (FON)**

j-h-c 15 minutes B&amp;W: \$2.90

Relationship of the United Nations to the people of the world. Shows the part they played in shaping the organization; points out the part the people of every country must play to make sure that its purpose of world peace is achieved.

**PEOPLE OF THE SOVIET UNION (McGH)**

general 39 minutes B&amp;W: \$6.65

Photographed by American cameramen, the film pictures the many racial groups which make up the Soviet Union. The people of Moscow and Leningrad, the Karelians, the Armenians, the Georgians, the Tartars, the Buryat-Mongolians, the Jews, the Ukrainians, the Uzbeks, and others among the 100 different nationalities included in the 190,000,000 people comprising the Soviet Republics.



**PEPPY, THE PUPPY (BACKGROUND FOR READING AND EXPRESSION) (C)**

**p** 11 minutes B&W: \$2.15, Color: \$3.40  
The story of two youngsters and their puppy. Through visual means, spoken word, and printed word, the vocabulary development is aided. Methods of care and responsibility for pets are stressed.

**PERCENT IN EVERYDAY LIFE (C)**

**i-j** 11 minutes B&W: \$2.15  
As they follow Bob's problems in figuring commissions, taxes, interest, and discount with general, rate, and base formulas, students at the intermediate and junior high levels will derive a new realization of the importance of percent.

**PERCENTAGE (JHP)**

**i-j-h** 11 minutes B&W: \$2.15  
Gives in animation the definition of percentage. Treats percentage as a special form of fractions and emphasizes its relationship to decimal and common fractions. Gives examples of two different types of problems.

**PERCEPTION (BASIC PSYCHOLOGY SERIES) (McGH)**

**c-a** 17 minutes B&W: \$4.10  
Explains perceptual constancy, attention, expectancy or set, and perception as an organizing process. Illustrates the basic principles of perception by showing the activities of a group of students spending an evening in a college common room.

**PERCUSSION GROUP, THE (EB)**

**j-h-a** 11 minutes B&W: \$2.15  
Introduces fundamental percussion instruments and presents each in demonstrating its contribution to the rhythmic pattern of a composition and to the total tone of the symphony orchestra. Excerpts include works of Rimsky-Korsakov, Tschai-kowsky, and Borodin.

**PERFECT TRIBUTE, THE (TFC)**

**general** 20 minutes B&W: \$3.15  
Based on the story by Mary Shipman Andrews. A story about Lincoln's Gettysburg Address, revealing his spirit and sympathetic attitude toward the defeated South. Shows his trip to Gettysburg, his disappointment because of the poor reception of his speech, and his visit to a nearby prison hospital where he repeats the address to a wounded Confederate soldier. *Restricted to Classroom Use.*

**PERIODIC FUNCTIONS (RADIO TECHNICIAN TRAINING) (CAA)**

**h-c** 17 minutes B&W: \$2.15  
Explains what a periodic function is and then proceeds to demonstrate that a sine wave (or function) is a periodic function and that the voltage of an alternating current is a sine function. Also shows how AC generators may differ in voltage, frequency, and phase. The result of combining the voltages from two generators, not in phase, is explained through the process of combining their respective sine curves.

**PERIODIC INSPECTION: AIRPLANE (CAA)**

**h-c** 17 minutes B&W: \$2.15  
Emphasizes the importance and meaning of thoroughness in performing a periodic inspection, showing a complete detailed inspection of an aileron as an example. Shows briefly the inspection of other parts of the airplane and emphasizes that all parts must be as thoroughly inspected as the aileron.

**PERIODIC INSPECTION: ENGINE (CAA)**

**h-c** 22 minutes B&W: \$2.15  
Shows how to inspect the general condition of an engine; how to examine internal parts; how to check ignition and fuel system; how to examine the propeller; how to inspect for lightness, security, and proper safetying of all parts and how to prepare an engine for run-up.

**PERMANENT SOIL IMPROVEMENT (UI)**

**c-a** 11 minutes Color: N.C.  
This film, produced by the Permanent Soil Improvement Institute of the University of Illinois, discusses the need for phosphate in soils. A visit to the rock phosphate mines of Tennessee shows the viewer how phosphate is mined, processed, and distributed to farmers. Results of phosphate use on the Illinois soil experimental fields is shown in addition to how quality of corn and legumes is affected. Treated land in Iowa and Missouri is also presented.

**PERSONAL HEALTH FOR GIRLS (C)**

**j-h-c** 10 minutes B&W: \$2.15  
An attractive high school girl shows the daily health habits so necessary to social poise and self-confidence. Cleanliness, proper complexion care, moderate exercise, and a balanced diet are some of the essential features. For girls only.

**PERSONAL HYGIENE FOR BOYS (C)**

**j-h-c** 10 minutes B&W: \$2.15  
A high school boy learns hygiene habits necessary for good health and good social living. Stress is upon cleanliness—how and why—with special emphasis on particular problems of adolescent boys, such as shaving and complexion. For boys only.

**PERSONAL QUALITIES FOR JOB SUCCESS (C)**

**h** 10 minutes B&W: \$2.25  
Through job interviews of several high school graduates, the personality requisites for job success are illustrated—initiative, personal appearance, business-like habits, willingness to accept criticism, and ability to get along with people.

**PERSONALITY AND EMOTIONS (EB)**

**j-h-c-a** 13 minutes B&W: \$3.45  
A study of personality and mental health. An overview of the development of emotions from infancy through early childhood. Implies that emotional maturity is a desirable goal in the development of personality.

**PERSONNEL DAMAGE CONTROL: ARTIFICIAL RESPIRATION (CAA)**

**j-h-c-a** 8 minutes Color: \$2.15  
Demonstrates artificial respiration in counteracting effects of drowning, asphyxiation, or electrical shock. Shows the prone position of the victim, and the position of the person practicing artificial respiration.

**PERSONNEL DAMAGE CONTROL: HEAT EXHAUSTION, SUNSTROKE, AND BURNS (UW)**

**h-c-a** 9 minutes B&W: \$1.65  
Explains the symptoms of and demonstrates first aid measures for heat exhaustion, sunstroke, and burns. Defines first, second, and third degree burns.

**PERSONNEL MANAGEMENT SERIES: COMMUNICATION (McGH)**

**c-a** 13 minutes B&W: \$2.65  
Shows the need for effective communication in industry, not only in sales and production operations, but also in matters concerning the whole plant and its personnel.

**PERSONNEL MANAGEMENT SERIES: EMPLOYMENT INTERVIEW (McGH)**

**c-a** 11 minutes B&W: \$2.40  
The importance of the employment interview in getting the right man on the job is discussed.

**PERSONNEL MANAGEMENT SERIES: GRIEVANCE HEARING (McGH)**

**c-a** 16 minutes B&W: \$2.85  
A case study of a grievance is shown. Explains how hearings are conducted, what their purpose is, and how a willingness to compromise can settle most disputes.

**PERSONNEL MANAGEMENT SERIES: JOB EVALUATION AND MERIT RATING (McGH)**

**c-a** 13 minutes B&W: \$2.65  
Establishes the need for job evaluation, showing that the varying requirements for hundreds of different jobs must be compared in order to set up fair rates of pay.

**PERSONNEL MANAGEMENT SERIES: SUPERVISORY CONFERENCES (McGH)**

**c-a** 13 minutes B&W: \$2.65  
This dramatized, attitude-forming film is designed to explain the purpose of training programs and to stimulate a favorable opinion toward them.

**PERSPECTIVE DRAWING (UC)**

**j-h-c-a** 8 minutes B&W: \$2.15  
Using a cube as a basic form, the film describes the one-point, two-point, and three-point perspective techniques.



**PERU (UW)**

j-h-c-a 20 minutes B&W: \$2.15

A study of modern social and economic life in Peru. Current problems of health, poverty, relations between races, and improvement of national economic conditions are presented.

**PERU: PEOPLE OF THE ANDES (2nd EDITION) (EB)**

i-j-h-c 16 minutes Color: \$5.60

Contrasts Lima and the ruins of the ancient Inca empire and with Cuzco, contemporary Indian city which was once the Inca capital. Deals particularly with an Indian family in a remote plateau village. Reveals the simple, almost primitive life of the descendants of once-proud Indian peoples; and shows them working with crude implements and engaging in family and community customs.

**PERUVIAN PLATEAU (HFE)**

j-h-c-a 10 minutes B&W: \$2.30

Manufacturing and transportation in Peru are interdependent. Illustrates how the two are tied closely together. Teaches a great deal of the geography of Peru and the social progress of its people.

**PETE, THE LAZY PELICAN (COF)**

p-i-j 10 minutes B&W: \$1.80

Pete did not want to go fishing in the natural pelican way by flying out to sea and diving for fish. Instead he preferred to depend on handouts from the friendly people on the dock. He learns his lesson when he almost chokes on a fish that is too big.

**PETER COTTONTAIL (CARTOON) (UW)**

general 3 minutes B&W: \$1.45

Peter Cottontail, with his crafty maneuvers, keeps the inhabitants safe from the wolf.

**PETRIFIED RIVER—STORY OF URANIUM (USBM)**

h-c-a 28 minutes Color: \$2.15

Two hundred million years ago a river wound through the western plains of our country. Now, centuries later, this river is a petrified layer in the earth's surface. This is the location of one of the most useful elements that man has discovered—uranium. Shows a vivid description of the mining and processing of this metal and illustrates its many uses.

**PETROLEUM (STORY OF) (EB)**

i-j-h-c-a 10 minutes B&W: \$2.15

Filmed from New York and New Jersey to oil fields in Oklahoma and California, the importance of petroleum in the modern industrial world, as a fuel for transportation, heating, and industrial manufacturing is stressed. The world-wide political problems involved in distribution of the world's supplies of oil are also discussed.

**PHANTASY, A (NFBC)**

j-h-c-a 8 minutes Color: \$2.90

This is a surreal abstract art film, with pastel drawing and "cut-out" animation by Norman McLaren and music for saxophones and synthetic sound by Maurice Blackburn. In a dreamlike landscape, inanimate but familiar objects come to life to disport themselves in grave dances and playful ritual.

**PHANTOM'S, INC. (TFC)**

general 18 minutes B&W: \$2.15

Fake spiritualists and mediums are exposed in this section of "Crime Does Not Pay." A warning against confidence men; tells how they work and the ruthlessness of their operations. *Restricted to Classroom Use.*

**PHARMACIST (VGF)**

h-c 10 minutes B&W: \$2.15

Pharmacy as a career offers young people an interesting life. The professional pharmacist works with drugs and chemicals which go into the compounding of medicines.

**PHEASANT FEVER (SF)**

h-c-a 11 minutes Color: \$3.40

Pictures the training of a young dog in field work.

**PHILIPPINE REPUBLIC (MOT)**

general 14 minutes B&W: \$3.25

Shows how, for forty-seven years following the Spanish-American War, islands comprising the Philippines were heavily dependent upon the U. S. for economic life and health. Emphasis

is placed on the educational system and political composition of the islands. March of Time's sequence on the valiant role played by the Philippine people in the recent war. Explains why, for over three centuries, Filipinos have had a consuming ambition to govern themselves.

**PHILIPPINES, THE (THIS WORLD OF OURS SERIES) (IFI)**

i-j-h 9 minutes Color: \$3.10

Often called the "Crossroads of the Pacific," the Philippine Islands are investigated for their cultural activities. Shows the people immediately preceding America's entry into the war.

**PHILIPPINES, THE: GATEWAY TO THE FAR EAST (C)**

i-j-h 10 minutes Color: \$3.40

The past history, present activities, and direction of future growth in the Philippine Islands, form a picture of a young republic with many interests similar to the United States. Views of farm and city life show a wealth of raw materials, expanding production, and increased education in this gateway to the Far East.

**PHILIPPINES, THE: LAND AND PEOPLE (EB)**

j-h-c-a 14 minutes Color: \$5.00

Reviews the long history of the Philippines under Spanish and American rule. Since the nation is almost entirely agricultural, most of the people live in rural villages, farming their own land and fishing. The film takes us from the villages to the busy port of Manila, where the major products—rice, sugar, copra, lumber, minerals, and hemp—are shipped abroad. Here, too, new factories are being built to meet the nation's crucial need for industrial expansion.

**PHONIE CRONIES (UW)**

p-i 17 minutes B&W: \$2.65

El and Tom get a call to make a pick-up at the Amazonian Museum. By moonlight they hurry to the spooky museum, and they tangle with skeletons and other rare specimens of the museum.

**PHOSPHORUS (CHEMISTRY LAB. SERIES) (C)**

h-c 18½ minutes B&W: \$3.45

Red and white phosphorus are considered and their physical and chemical properties are compared and contrasted. The chemical activity of white phosphorus is emphasized. Calcium phosphide is treated with water and phosphine is prepared. The ammonium molybdate test for the phosphate ion is demonstrated and used.

**PHOTO FRENZY (McGH)**

general 18 minutes B&W: \$3.65

A report on the amateur photographer and his work. Shows how many photographers have banded together in clubs. Photography schools have sprung up to help the camera addict. A billion dollar business in cameras, film, and accessories has been created.

**PHOTOGRAPHER, THE (UW)**

h-c-a 27 minutes B&W: \$3.90

Life and work of Edward Weston; the cultural and artistic values of photography; subject selection, composition, and developing; views of geographic features of California.

**PHOTOGRAPHY (VGF)**

general 10 minutes B&W: \$2.15

The technical, professional and commercial aspects of the photographic industry. A few of the jobs shown are those of the illustrative, commercial, newsreel, portrait and motion picture photographer.

**PHOTOGRAPHY FIGHTS (OWI)**

h-c-a 16 minutes B&W: \$2.15

Shows the great importance of the Naval Photographers who took pictures of hidden runways of the Japs on the islands of the South Pacific during World War II.

**PHOTOSYNTHESIS (UW)**

j-h-c 15 minutes B&W: \$3.65

Shows carbon dioxide entering plant structure of a leaf and its conversion in chloroplasts to oxygen, which is eliminated. Carbon is built up into glucose with water from roots. The necessity for chlorophyll is shown and the process of glucose being changed to starch is illustrated.



**PHYSICAL AND CHEMICAL CHANGE (CHEMISTRY LAB. SERIES) (C)**

h-c 28 minutes Color: \$8.25

Two physical changes are performed on salicylic acid and a demonstration shows that after physical changes, original tests are still given. Several characteristics of magnesium are noted, then, magnesium is burned. This is followed by a demonstration showing that after chemical change, original characteristics are no longer present. Examples of the chemical reactions of direct union, displacement, decomposition, and double decomposition are shown.

**PHYSICAL ASPECTS OF PUBERTY (ADOLESCENT DEVELOPMENT SERIES) (McGH)**

h-c-a 17 minutes B&amp;W: \$4.25

Explains the development of the primary and secondary sex characteristics in boys and girls during adolescence, and shows the problems of social adjustment and emotional behavior that may accompany them.

**PHYSICAL FACILITIES (INDUSTRIAL ORGANIZATION AND MANAGEMENT SERIES) (McGH)**

c-a 10 minutes B&amp;W: \$2.15

Describes steps in organizing physical facilities for a new enterprise: 1) location from the aspects of available facilities, 2) type of building suited to the enterprise, 3) the arrangement and positioning of the buildings, and 4) plant layout from the aspect of type production.

**PHYSICAL FITNESS (THE SEARCH) (CBS)**

h-c-a 27 minutes B&amp;W: \$5.65

What makes a champion? This question is being answered by the results of tests and experiments being carried on at the University of Illinois. Gives certain types of exercise and training designed to keep one in good condition, in order to help extend the average life span.

**PHYSICAL REHABILITATION (THE SEARCH) (CBS)**

h-c-a 27 minutes B&amp;W: \$5.65

Demonstration and explanation of new skill and techniques in the field of physical medicine and rehabilitation are presented by the New York University research department in a story form. The causes and results of experimentation are centered around the physical rehabilitation of a paraplegic war veteran.

**PHYSICS DEMONSTRATIONS: ELECTROLYSIS (McGH)**

h-c-a 4 minutes B&amp;W: \$1.45

Shows conduction of electricity through a liquid.

**PHYSICS DEMONSTRATIONS: LESLIE'S CUBE (McGH)**

h-c-a 5 minutes B&amp;W: \$1.45

Shows heat radiation of various substances.

**PHYSICS DEMONSTRATIONS: THE ELECTROSCOPE (McGH)**

h-c-a 4 minutes B&amp;W: \$1.45

Shows detection of electric charges.

**PHYSICS DEMONSTRATIONS: TYNDALL'S APPARATUS (McGH)**

h-c-a 4 minutes B&amp;W: \$1.45

Shows heat capacity of various substances.

**PHYSICS DEMONSTRATIONS: WAVES IN A STRING (McGH)**

h-c-a 4½ minutes B&amp;W: \$1.45

Shows relation of harmonics to string tension.

**PHYSIOLOGY OF HIGH ALTITUDE FLYING (CAA)**

h-c 35 minutes B&amp;W: \$2.15

Shows how an impairment of the faculties is caused by a lack of oxygen; demonstrates the use of several different types of high-altitude dress, and explains what happens in aeroembolism and anoxia.

**PICTOGRAPHS: MILESTONES IN WRITING (USC)**

h-c-a 10 minutes Color: \$3.40

Dr. Frank C. Baxter explains that by reading all nature about him, man learned to write. By using simple ideographics, Dr. Baxter tells and illustrates a story; pointing out that a drawing of the sun meant prosperity, an arrow meant hunting, and a deer or bear meant meat. By simple combinations of these and other signs (pictographs) thoughts were transferred from one individual to another.

**PICTORIAL SKETCHING (ENGINEERING DRAWING SERIES) (McGH)**

c-a 10 minutes B&amp;W: \$2.50

In connection with French and Vierck's book *Engineering Drawing*, the film covers the basic principles of pictorial sketching. Using animated drawings and live photography, it illustrates the three types of pictorial sketching: axometric, oblique, and perspective.

**PICTURE IN YOUR MIND (IFF)**

h-c-a 16 minutes Color: \$5.65

Film presents the earliest roots of prejudice and the reasons why any group, tribe, or nation thinks its way of life is superior to the other man's mode of living. The question posed is, "How can we live together in harmony on our earth?" States that the sum of all our actions will determine the future and that we have a choice as to whether that future is to be one of darkness or of light.

**PICTURE MAKING AT THE GANG AGE (CREATIVE HANDS SERIES) (IFB)**

i-j-h-c-a 6 minutes Color: \$2.40

Children of 10 and 11 in grades 5 and 6 are able, with simple classroom equipment, to make original and infinitely varied compositions close to their own interests with real skill. Shows a good way to organize the classroom for the work and how to give directions toward improvement without discouraging creativeness.

**PICTURESQUE DENMARK (FON)**

j-h-c-a 20 minutes Color: \$3.15

A comprehensive tour of Denmark. Geography, history, landmarks, government, and people are shown.

**PICTURESQUE PATZCUARO (UW)**

j-h-c-a 10 minutes Color: \$2.65

Scenes in the villages around Lake Patzcuaro in Mexico: market place, making of fish nets, arts, and traditional dance.

**PIECE OF WOOD, A (USDA)**

h-c-a 14½ minutes Color: \$2.15

The U. S. Forest Service Forest Products Laboratory at Madison, Wisconsin is working to find out for the American people everything possible about wood and through research, to determine better and more efficient uses of forest products. The Laboratory has been able to assist industry to meet the Nation's growing needs for pulp and paper products. Wood, the oldest material used by man, is becoming the newest in many forms—through fabrics and chemicals, through low-grade lumber made first class by paper overlays, through tremendous laminated arches, and through many other modern developments—as forestry scientists and industry continue to work hand in hand to transform trees into myriad things in daily need and use.

**PIED PIPER OF BASIN STREET (UW)**

p-i 7 minutes B&amp;W: \$1.70

When the mayor is swamped with complaints about rats overrunning the town, he calls in the Pied Piper. He soon has the whole city jumping but the mayor's scheme backfires.

**PIG AND ITS RELATIVES (C)**

p-i 10 minutes B&amp;W: \$2.25

Our well-known domestic pig has some odd, unexpected relatives: babirusa, wart hog, pigmy and large hippopotamus, and the elephant.

**PIG PROJECTS MAKE PROFITS (UDRA)**

j-h 14 minutes Color: \$3.90

This film is about young men in agriculture who are concerned with pig clubs. It is designed primarily for FFA and 4-H Clubs and shows the boys displaying their special projects.

**PIG TALES (F)**

i-j 11 minutes Color: \$3.00

A pig farm is given a general appraisal. Diet, ringing, fencing, vaccination, stockyard marketing, stock shows, and "pig personality" are discussed.

**PIGS AND ELEPHANTS (C)**

p-i 10 minutes B&amp;W: \$2.15

An excellent film to introduce foreign animals to the pupil through biological relationship between familiar domestic animals and the animals of other lands—the babirusa of East Indies, the wart hog of Africa, and pigmy hippopotamus.



**PIGSKIN CHAMPIONS (TFC)****j-h-c** 10 minutes **B&W: \$1.45**

The Green Bay Packers demonstrate football techniques. Shots of routine plays including the forward pass, off-tackle play, place kick, double spinner, block kick, hidden ball play, a short pass, and a short lateral pass are shown. *Restricted to Classroom Use.*

**PILGRIM DAYS (TFC)****i-j** 11 minutes **B&W: \$1.45**

Shots of historic monuments, buildings, and museum exhibits related to American Colonial history. Plymouth, Jamestown, New York, and Baltimore are also shown. *Restricted to Classroom Use.*

**PILGRIMAGE OF LIBERTY, A (UW)****j-h-c-a** 31 minutes **Color: \$6.65**

We visit different shrines throughout the United States which are illustrative of America's struggle to gain freedom. Shows Plymouth Rock, Paul Revere's statue, Independence Hall with the Liberty Bell, the Jefferson Memorial and his home in Monticello, the Cumberland Gap where Daniel Boone led settlers to the land beyond the mountains, Andrew Jackson's home, Gettysburg, the Lincoln Memorial, and many other places of interest. These shrines make us realize that after having gained our freedom, it is now our duty to defend our liberties.

**PILGRIMS, THE (EB)****i-j-h** 22 minutes **B&W: \$4.15**

Story of the pilgrims and their struggle for freedom from persecution is dramatically retold in this moving film. Their religious persecution in England, their poverty-ridden struggle in Holland, the crossing of the Mayflower and the signing of the Mayflower Compact are shown with realism effected by costumes of the period. Concludes with the first Thanksgiving.

**PIN MOLD (IFB)****j-h-c-a** 10 minutes **B&W: \$2.15**

Life cycle of a typical fungus emphasizing its development as a growing organism. Time-lapse photography is used, and diagrams illustrate the formation of the resting spore.

**PINCH ME PLEASE (ABBOTT AND COSTELLO) (UW)****general** 9 minutes **B&W: \$1.70**

Abbott and Costello try to get themselves arrested by breaking all the laws in the book. However, Abbott's slick talk and Costello's angelic face can't get them into prison to save them from the mob.

**PINCUSHION MAN (UW)****p-i** 9 minutes **Color: \$2.40**

The pincushion man punctures the balloonland people. They throw chewing gum and blunt his pins.

**PINEAPPLE CULTURE (PHP)****i-j-h-c-a** 11 minutes **Color: \$3.20**

The story of pineapples from the preparation of the soil to the harvest. Traces the pineapple through its life cycle, stressing the scientific culture of superior families or clones. Shows the use of highly skilled labor and modern machine methods in every stage.

**PINKERTON MAN (McGH)****h-c-a** 15 minutes **B&W: \$3.85**

Story of the Pinkerton National Detective Agency. Scenes show how a highly trained and experienced private detective operates.

**PIONEER BOY OF THE MIDWEST (C)****i-j** 13 minutes **Color: \$4.15**

When David has finished his day at school in the log school house, he travels home through a forest which holds many adventures. A glimpse of family life in pioneering days.

**PIONEER BURRO, THE (DPP)****i** 14 minutes **Color: \$4.70**

Describes the role of the burro and the prospector during the gold rush and development of the West. The burro was not only the prospector's companion but also carried supplies and equipment, found water on the desert and foraged for his own food. Shows methods of finding and recovering gold by means of pan and cradle.

**PIONEER COMMUNITY OF THE MIDWEST (C)****i-j** 13½ minutes **Color: \$5.15**

Follows the Wilson family west as they search for the type of land that they want to call home. Finding a community with

a doctor, store, postal service, blacksmith and shoemaker, the Wilsons settle. Economic, political, and recreational aspects of early Midwest pioneer community life.

**PIONEER HOME, A (C)****p-i** 11 minutes **B&W: \$2.15, Color: \$3.40**

What was a pioneer really like? How did pioneer people live? What part did children play in the everyday family life? These are some of the questions which are answered in this film. Facets of a pioneer family's life.

**PIONEER JOURNEY ACROSS THE APPALACHIANS (C)****i-j** 13½ minutes **B&W: \$2.80, Color: \$3.90**

The journey of a North Carolina family across the Appalachians before the Revolutionary War shows the close of the period when these mountains stood as a barrier to westward movement. Why the early settlers moved west, how they traveled, and other concepts underlying this movement are dramatically presented.

**PIONEER JOURNEY TO THE OREGON COUNTRY (C)****i-j** 16 minutes **Color: \$4.50**

Ten-year-old Noah Atkins makes the pioneer journey to Oregon with his parents and sister. He tells us what life was like on this great adventure. We meet the other members of the wagon train—the wheelwright, the missionaries, and the blacksmith, and we observe life on the trail: the daily routine, recreational and religious activities, the dangers and hardships.

**PIONEER OF PROGRESS (MTP)****h-c-a** 17 minutes **B&W: \$2.15**

Surveys the manufacturing processes in the American steel industry from iron ore to a variety of finished products.

**PIONEER SPINNING AND WEAVING (IU)****i-j-h-a** 10 minutes **Color: \$3.40**

Early pioneer families had to provide for most of their own clothing from materials made of that which was available. This film deals with the methods used by the pioneers to make cloth from material grown on the farm or material found around the house. From processing the flax to spinning of linen thread, the cloth was made entirely in the farm home. The film closes by showing how three common cloths were woven from linen and wool threads.

**PIONEERS OF THE PLAINS (EB)****i-j** 10 minutes **B&W: \$2.15**

Traces the experiences of a pioneer family in journeying by ox-drawn wagon from Illinois to a homestead on the mid-western plains. Sequences include: relationship with other settlers and cattlemen, plowing, collecting fuel, and contacts with a circuit-riding minister.

**PIPELINE (SOC)****j-h-c-a** 17 minutes **Color: \$2.15**

Shows how an oil pipeline is built, including welding and wrapping operations, and the function of pumping stations.

**PIPES IN THE HOUSE (CW)****p-i** 11 minutes **Color: \$3.40**

Sources of water, gas and electricity and how these utilities get into our homes. Animations and simple experiments help in the explanation.

**PIRRO AND THE ALARM CLOCK (OF)****p-i** 11 minutes **B&W: \$1.75**

Pat Patterson introduces Pirro, the puppet, to the difference between numbers and what they represent in the way of time. Pirro learns what makes the alarm go off.

**PIRRO AND THE BLACKBOARD (OF)****p-i** 9 minutes **B&W: \$1.75**

Pirro learns to draw on the blackboard. Pat Patterson draws a donkey and Pirro plays pinning the tail on the donkey. Includes a lesson in fair play and good sportsmanship.

**PIRRO AND THE LAMP (OF)****p-i** 9 minutes **B&W: \$1.75**

Pirro, the puppet, learns that you need light to read by. Pat Patterson explains electricity and Pirro follows wire from the wall plug to the lamp and learns about switch and light bulb.

**PIRRO AND THE MAGNET (OF)****p-i** 9 minutes **B&W: \$1.75**

Pirro is pulled to the magnet. At first he's frightened, but then he learns how a magnet works and it becomes a game.



**PIRRO AND THE PHONOGRAPH (OF)**

p-i 9 minutes B&W: \$1.75  
 Pirro's first experience with a phonograph—his own sense of rhythm—and dancing feet.

**PIRRO AND THE SCALE (OF)**

p-i 11 minutes B&W: \$1.75  
 Pirro can't understand what makes the scale work, so Pat Patterson explains about weight and balance. He demonstrates on a seesaw.

**PIRRO, HELLO (OF)**

p-i 11 minutes B&W: \$1.65  
 Introduces the puppet, Pirro; tells of what he is made; and introduces his manipulator, Pat Patterson.

**PITCHING STARS (IHSA)**

j-h 18 minutes B&W: \$2.15  
 Baseball pitchers in action as they demonstrate form and style of delivery. Many greats of the diamond are used as illustrations.

**PLACE IN THE SUN, A (LOF)**

h-c-a 18 minutes Color: \$2.15  
 This film explains the use of solar poultry houses, with examples of successful operations in different parts of the country. Bob, a successful farmer's son, wants to join his father on his poultry farm when he graduates from college. However, the farm cannot support two families without doubling the number of birds and eggs handled. Bob learns how the beneficial rays of the sun can be used in poultry farming and solves his problem by using solar poultry houses.

**PLACE VALUE: ONES, TENS, HUNDREDS (C)**

p 11 minutes Color: \$3.60  
 Judy is having difficulty counting the pennies she has been saving. Her brother Paul shows her that counting in groups of ones, tens, and hundreds is easier than counting by ones. This film clearly explains the concept of place value and presents the numerals and words for the numbers we use.

**PLACER GOLD (AB)**

i-j-h 10 minutes B&W: \$1.90  
 During the gold rush of '49, only the simplest tools were used. Shown are the gold pan method, the rocker or cradle method, the long Tom method, and the sluice box method. The narration brings out the importance of placer mining on California's history and the use of certain terms used by the early miners.

**PLACING THE RIGHT MAN ON THE JOB (UW)**

c-a 11 minutes B&W: \$1.65  
 Several workers who are misfits on the jobs they are doing are reassigned to different jobs resulting in happier workers and increased production. The necessity for taking into account individual differences is indicated.

**PLAIN INDEXING AND CUTTING A SPUR GEAR (UW)**

h-c 24 minutes B&W: \$3.65  
 Explains elements of spur gear teeth and principles of the dividing head. Shows how to set up a cutter for milling a spur gear; how to use standard indexing plates; and how to mill gear teeth to a specified depth.

**PLANE IS BORN, A (CAA)**

h-c 19 minutes B&W: \$2.15  
 Depicts the cooperative effort of airplane manufacturers and the Civil Aeronautics Administration to assure safety of new types of aircraft. Follows the development of a new aircraft from early design stages to completion of the prototype. Includes scenes of some spectacular tests, such as catapulting of fuel tank, firing of bird carcass at windshield, and engine fires.

**PLANET EARTH, THE (AVED)**

i-j-h-c 10 minutes Color: \$3.40  
 Shows by animation the formation and growth of our earth—the churning surface, winds, rains, earthquakes, and volcanoes.

**PLANETS AROUND OUR SUN (UW)**

i-j 14 minutes Color: \$4.70  
 This film affords a comprehensive view of our neighbors in space by means of the most modern astronomical instruments.

**PLANETS IN ORBIT—THE LAWS OF KEPLER (EB)**

j-h 10 minutes B&W: \$2.35  
 Traces a brief history of man's earliest observations and beliefs about the universe and then goes on to show how Johannes Kepler made three discoveries that revolutionized astronomy. Explanation of Kepler's three laws is visualized in brilliantly animated sequences.

**PLANING ROUGH SURFACES TO DIMENSIONS (UW)**

h-a 17 minutes B&W: \$2.90  
 Students in woodworking class will learn how to prepare for planing; plane stock to uniform thickness; determine the amount of cut to be made; regulate the speed of feeding; and adjust the surfacer to cut straight, even, clean surfaces.

**PLANNING AND LAYING OUT WORK (UW)**

c-a 10 minutes B&W: \$1.65  
 A number of dramatized incidents point up the importance of careful planning before starting a job. The serious results of poor planning or no planning at all are demonstrated.

**PLANNING FOR SUCCESS (C)**

j-h-c-a 10 minutes B&W: \$2.15  
 Story of a boy who has set his goals too high and, as a result, has become discouraged. Shows how sympathetic counseling helps him to a more realistic approach and how he achieves success by setting his immediate goals within the reach of his ability.

**PLANNING FOR TEACHING: BROADER CONCEPT OF CURRICULUM (McGH)**

c-a 19 minutes B&W: \$4.65  
 Surveys the entire curriculum in today's secondary school. The theory of a wide variety of learning experiences in today's curriculum. Used as pre-service, in-service and teacher training film.

**PLANNING FOR TEACHING: EFFECTIVE LEARNING IN ELEMENTARY SCHOOL (McGH)**

c-a 20 minutes B&W: \$4.55  
 A fifth-grade teacher tells some of her experiences in making learning more effective. In her class, teacher and pupils work as a team on reading, writing, arithmetic, social studies, and creative arts. Unit study projects, which develop other vital skills, strengthen the pupils' motivation for their work.

**PLANNING FOR TEACHING: GUIDING THE GROWTH OF CHILDREN (McGH)**

c-a 18 minutes B&W: \$4.35  
 Shows a teacher's personal experiences with fifth-grade children. Illustrates how this teacher guides several "problem children," placing understanding of their individual needs as the most important step.

**PLANNING FOR TEACHING: PLANNING FOR PERSONAL AND PROFESSIONAL GROWTH (McGH)**

c-a 18 minutes B&W: \$4.40  
 A dramatic case-study of the personalities and careers of four teachers. Shows how teaching can be a source of dullness and frustration or a rich and rewarding experience.

**PLANNING FOR TEACHING: PROMOTING PUPIL ADJUSTMENT (McGH)**

c-a 20 minutes B&W: \$4.55  
 A teacher should be concerned with the social and emotional growth as well as intellectual progress of her pupils. For well-adjusted pupils, appropriate guidance promotes good growth. Guidance becomes even more important for the unaccepted newcomer who may lack self-confidence or who develops unsocial behavior. This film is a portrayal of the basic approach to promote pupil adjustment to school life and learning.

**PLANNING OUR FOREIGN POLICY (EB)**

h-c-a 22 minutes B&W: \$4.15  
 Procedure by which a working level committee concerned with the United States foreign policy in the Middle East analyzes the problems which it faces. Suggests difficulties faced when attempting to recommend a policy.

**PLANNING THE MUSEUM FIELD TRIP (USC)**

i-j-h-c-a 9 minutes B&W: \$2.40  
 The museum's educational director speaks directly to the fifth graders. Designed to help teachers and pupils get the most out of the museum field trip by careful advanced planning. The children draw up procedures that they will follow in the museum.



**PLANNING YOUR CAREER (EB)**

**h** 16 minutes **B&W: \$3.65**  
 Students are advised to plan their career in three main steps: first, to learn about themselves; second, to find out about careers that interest them; and third, to compare themselves to the requirements of selected vocations.

**PLANT GROWTH (EB)**

**j-h-c** 10 minutes **B&W: \$2.15**  
 Growth of the pea plant. Shows by time-lapse photography and microphotography the entire story from the time the seed first sends out its root and stalk until the ripened seeds are scattered. The processes of pollination and fertilization are vividly portrayed.

**PLANT GROWTH AND MUTATION IN TRADESCANTIA VIRGINICA L (ATB)**

**h-c-a** 11 minutes **B&W: \$2.35**  
 Seven scenes of living cells from stamen hairs depict the complete cycle of nucleus and cell division.

**PLANT LIFE AT WORK (MIS)**

**i-j-h** 11 minutes **Color: \$3.40**  
 Microphotography and time lapse show how plants exhibit life functions: movement, growth, manufacture of food, and reproduction.

**PLANT ODDITIES (IFB)**

**general** 9 minutes **Color: \$3.40**  
 Plants that live on air, plants that eat insects, and plants with extra sensitive nervous systems exhibit unusual qualities in their fight for survival.

**PLANT SUPERVISORS' PROBLEMS SERIES: DELEGATING WORK (McGH)**

**c-a** 9 minutes **B&W: \$2.25**  
 Poses the problem of a supervisor's failure to delegate work properly, showing the serious effects on the supervisor's efficiency and personal well-being as well as on his workers.

**PLANT SUPERVISORS' PROBLEMS SERIES: ENFORCING RULES AND PROCEDURES (McGH)**

**c-a** 9 minutes **B&W: \$2.25**  
 Dramatized case study stimulates discussion about the ways to set up reasonable shop rules and procedures, together with the disciplinary methods that are effective.

**PLANT SUPERVISORS' PROBLEMS SERIES: HIDDEN GRIEVANCE (McGH)**

**c-a** 7 minutes **B&W: \$2.25**  
 Helps to make the supervisor aware of the need for sensitivity in recognizing and understanding underlying causes of an employee grievance in order to handle it satisfactorily.

**PLANT SUPERVISORS' PROBLEMS SERIES: PERSONAL PROBLEM (McGH)**

**c-a** 6 minutes **B&W: \$2.25**  
 Stimulates effective discussion about the nature and extent of help that a supervisor must be prepared to give to an employee with a personal problem which affects job efficiency.

**PLANT SUPERVISORS' PROBLEMS SERIES: PERSONALITY CONFLICT (McGH)**

**c-a** 7 minutes **B&W: \$2.25**  
 A dramatized example of what happens when two conflicting personalities must work together serves to stimulate discussion on the adjustments that supervisors must make.

**PLANT SUPERVISORS' PROBLEMS SERIES: TROUBLE WITH WOMEN (McGH)**

**c-a** 7 minutes **B&W: \$2.25**  
 Provokes a useful discussion about the good points and drawbacks of women factory workers in order to encourage an objective look at their role in industry.

**PLANT SURVIVAL (UW)**

**j-h-c-a** 10 minutes **B&W: \$2.15**  
 Protective devices as used in various stages of plant growth are exhibited by close-ups of roots, seeds, buds, leaves, and flowers. Defenses of flowers and leaves against damage done by rain and animals are also shown.

**PLANT TRAPS: INSECT CATCHERS OF THE BOG JUNGLE (EB)**

**j-h-c-a** 11 minutes **B&W: \$2.15, Color: \$3.40**  
 Pictures a bog bordering a northern lake and the plants living there which capture insects for food, including the pitcher plant, the Venus fly trap, and the sun dew.

**PLANTATION SOUTH, THE (EB)**

**j-h-c** 16 minutes **Color: \$5.60**  
 Portrays the plantation system in the southern United States. The development of this system is traced from its earliest beginnings in Virginia to its firm establishment in the Deep South of the antebellum period. Stress is placed upon the plantation as an agricultural and social unit. The film concludes with a sequence which foreshadows the ultimate fate of the plantation system.

**PLANTATION SYSTEM IN SOUTHERN LIFE (C)**

**i-j-h-a** 10 minutes **B&W: \$2.15**  
 Re-enactments of life on a typical southern plantation relate historic scenes to their modern counterparts. The film presents information on the organization of a plantation: economy dominated by one crop—cotton, the effect of the War Between the States on the economy, and the impact of all these on life in the South today.

**PLANTER OF COLONIAL VIRGINIA (EB)**

**i-j-h** 10 minutes **B&W: \$2.15**  
 Presents an authentic picture of the physical and social environment in the Virginia colony immediately preceding the Revolutionary War. Portrays life on a typical plantation in Williamsburg. Considers aspects of slavery, methods of manufacture and transportation, practices in medicine and penology, and the architecture, costumes, and social customs of the period.

**PLANTING OUR GARDEN (EB)**

**p-i** 11 minutes **Color: \$3.40**  
 Activities of a family in planting a vegetable garden. Process of seed germination and development, and the conditions that various seeds must have in order to grow.

**PLANTS MAKE FOOD (CW)**

**i** 11 minutes **Color: \$3.40**  
 Function of roots, stems, and leaves; transformation of water, minerals, and carbon dioxide into foods; role of chlorophyll and sunlight. Animation illustrates the food-making process.

**PLANTS THAT GROW FROM LEAVES, STEMS, AND ROOTS (C)**

**p-i** 11 minutes **Color: \$3.60**  
 Actual processes of propagating plants from leaves, stems, and roots; time-lapse photography showing growth from plant parts; and demonstrations of grafting and budding are used to develop the concept of vegetative reproduction and to show the principal methods in use.

**PLASTICS (YA)**

**i-j-h-c-a** 16 minutes **B&W: \$3.15**  
 Surveys the growth of the plastics industry, with particular emphasis on new uses developed during World War II. Some scenes show manufacture and fabrication of articles from plastic materials.

**PLAY BALL (McGH)**

**j-h-c-a** 14 minutes **B&W: \$3.10**  
 Operation of a major-league baseball club, methods of recruiting talent, and sidelights on many well-known players.

**PLAY BALL, SON (YA)**

**j-h** 17 minutes **B&W: \$3.40**  
 A group of high school boys expertly demonstrate the correct techniques of play at all positions on the baseball team.

**PLAY BETTER GOLF: PART I (OF)**

**h-c-a** 9 minutes **B&W: \$1.65**  
**FUNDAMENTALS:** Lloyd Mangrum, Sam Snead, Patty Berg, and Jim Ferrier show the "know how" of the three fundamentals of good golf—correct grip, aim, and swing.

**PLAY BETTER GOLF: PART II (OF)**

**h-c-a** 9 minutes **B&W: \$1.65**  
**ADVANCED:** The champions show applied techniques in overcoming hazards and obstacles—high grass, water hazards, tree blocks, and sand traps. Special attention to proper clubs, chip shots and putting.



**PLAY CHAMPIONSHIP BASKETBALL (ASF)****j-h-c** 60 minutes **B&W: \$9.15**

Demonstrations of shooting, passing, dribbling, tapping, screening, blocking, use of arms and hands, defense on jump, guarding the shooter, infractions, drills, types of plays, and all major phases of court play. Basketball fundamentals demonstrated by the two-time national championship Oklahoma A & M team with All-American Bob Kurland and Coach Henry Iba. Specifically designed as a coach's training aid.

**PLAY IN THE SNOW (EB)****p-i** 10 minutes **B&W: \$2.15**

Activities of three children and their friends in building a snow man, playing "fox and geese," coasting, and skiing. Appropriate clothing, health habits, and safety during play in the snow are depicted.

**PLAY SAFELY (PRP)****p-i** 10 minutes **B&W: \$2.15**

Intended to teach safety in playing, walking, and riding habits. Animated scenes of the character Dopey Dilldock getting into trouble are used to introduce each sequence of live action showing correct safety procedures.

**PLAY VOLLEYBALL (ASF)****i-j-h-c-a** 20 minutes **B&W: \$3.25**

Slow motion and stop action photography are used to clarify the essentials of volleyball. A full explanation of the game intends to promote its finer qualities.

**PLAYGROUND SAFETY (C)****p-i-j** 11 minutes **B&W: \$2.15**

A motivational film planned to improve playground behavior by implanting three basic rules of the playground: (1) Be sure the play space is safe; (2) Keep out of the way of other players; and (3) Learn to play skillfully.

**PLAYING GOOD MUSIC—THE STRING QUARTET (EB)****j-h-c-a** 14 minutes **B&W: \$3.35**

The Fine Arts Quartet performs in close-ups that illustrate bowing, fingering, ensemble teamwork, and ways by which musical ideas and leadership pass from one player to another.

**PLAYING TOGETHER (IFI)****p-i** 11 minutes **B&W: \$2.15**

Conveys that fair play is fun, that one should win or lose gallantly, that there must be respect for rules of the game.

**PLAYTOWN, U.S.A. (AI)****h-c-a** 25 minutes **Color: \$6.65**

Here is a fast-moving story of how a medium-sized American community, Decatur, Illinois, organized and developed an outstanding community recreation program. It takes you pictorially through the planning stages, the promotion program, and finally shows you one of the finest all-year community-wide recreation programs in the United States. This documentary-type film presents convincing evidence of what can be done, with limited funds, to provide recreation activities for each person in a community.

**PLIERS AND SCREWDRIVERS (UW)****j-h-c** 15 minutes **B&W: \$2.15**

Shop instruction points out the correct use of these tools. The viewer also learns what one should not do with them in the shop.

**PLUMB TOOL: HAMMER (PTC)****h-c-a** 11 minutes **B&W: \$2.15**

Demonstrates the correct use of hard and soft hammers: claw, ball peen, cross peen, straight peen, sledge, plastic, rubber, wood, lead, brass, and rawhide.

**PLYMOUTH COLONY: THE FIRST YEAR (C)****i-j-h** 16 minutes **Color: \$5.30**

Scenes filmed at authentically reconstructed Pilmoth Plantation at Plymouth, Massachusetts and on board the Mayflower II give a vivid, authentic quality to this reenactment of important events during the first year of Plymouth Colony. This film tells the inspiring story of the Pilgrims' struggle with great hardship and disease, and their accomplishment in establishing freedom and democracy in the New World.

**PLYWOOD ON THE FARM (CMP)****h-c-a** 32 minutes **Color: \$2.15**

The Douglas Fir is a commercially important tree, for, from it, we derive the miracle wood product, plywood. This film shows,

in detail, how plywood is made. It illustrates the many ways farmers can use plywood in building new buildings or repairing old ones. Plywood construction is so simple that even the inexperienced worker can do a satisfactory job.

**PO RIVER VALLEY (ITALY) (UW)****j-h-c-a** 18 minutes **B&W: \$4.15**

The broad fertile land of the Po Valley, protected from cold winds by the high mountains which surround it, provides abundant hydro-electric power and makes an ideal place for the homes of almost half of the Italian people. A picturization of the development of many large cities and industries fostered by the abundance of cheap electric power and skilled labor.

**POEMS ARE FUN (C)****i** 10 minutes **B&W: \$2.25, Color: \$3.40**

At a class party, elementary students compose a poem. Stresses the ease with which poems may be written and the fact that poetry helps one see old things in a new way.

**POET AND THE PEASANT (ANDY PANDA) (UW)****p-i** 6 minutes **B&W: \$1.70**

When Andy Panda's orchestra plays this great overture, its music with astonishing humorous overtones will keep you laughing. As a maestro, Andy out-tiros Toscanini.

**POINT OF DECISION (OSU)****c-a** 17 minutes **B&W: \$2.85**

To encourage thinking and discussion about administrative behavior and to illuminate some aspects of group action. Evidence is presented which serves as a springboard in the search for answers to questions like: "How are school policies decided?" "Who actually makes these decisions?" "At what point is a decision really reached?"

**POLAND (IFF)****general** 19 minutes **B&W: \$4.15**

An over-all picture of Poland—as it existed prior to the destruction by the Germans in World War II and as it will exist again when the current reconstruction program is completed. The primitive methods so common in agricultural and manual labor are contrasted with the modern methods of construction in Warsaw. An insight into Polish historical backgrounds as well as into the varied business, agricultural, educational, religious and social life of the Polish people.

**POLAND AND THE SOVIET POWER (BACKGROUND TO RECENT HISTORY) (EB)****j-h-c-a** 26 minutes **B&W: \$5.65**

Examines the forces which have shaped Poland's recent history, and traces the changes which have taken place in Poland since 1939. Considers Poland's relation to both the Soviet Union and the "West," and illustrates the influence of the Soviet Union on communist-dominated nations.

**POLAND: LAND AND THE PEOPLE (C)****i-j-h** 13½ minutes **Color: \$4.80**

This film presents a geographical and historical view of Poland and her people, and discusses her place in the world today as a nation under Communism. Against the background of Poland's long history and tradition, the film shows life on a small family farm and in mining and industrial regions, and depicts Poland's efforts at industrial diversification and its role in international trade.

**POLAND: LAND UNDER COMMUNISM (EB)****i-j-h-c-a** 22 minutes **B&W: \$4.55**

Portrays life of uncertainty that surrounds rural and urban population of present-day Poland. A small farm owner and his family try with use of primitive methods and machinery to raise enough food for survival. Education in village schools and the university is shown. Explains the geographical situation. Illustrates the problems and the hopes for the future.

**POLE VAULT (C)****j-h** 7 minutes **B&W: \$2.15**

Beginning pole vaulters are instructed in basic fundamentals. Experts in the vault indicate the preparation of the pole, length of the run, approach, pushup, and final turn of the body as the athlete clears the bar. A complete analysis of the technique of vaulting, with emphasis on coordination and timing.

**POLE VAULT (TRACK AND FIELD INSTRUCTION SERIES) (RF)****j-h-c** 13½ minutes **B&W: \$2.60**

Shows principles of the pole vault. The technique is shown through the analysis of championship-type pole vaults. With



the aid of slow motion, the essential points of form are made vivid. In the film we work with an inexperienced candidate and put him through the drills needed to acquire good form.

### **POLICEMAN, THE (EB)**

**p-i** 11 minutes **B&W: \$2.15**  
Functions of police officers in general. Follows a typical city patrolman through a regular shift of duty. Use of motorcycles and patrol cars with two-way radio communication is demonstrated and explained. Lessons in pedestrian and vehicular traffic safety are developed. Role of the policeman in rescue work and apprehension of a speeding driver.

### **POLICING GERMANY (McGH)**

**c-a** 17 minutes **B&W: \$3.75**  
An historical record of the problems of the aftermath of war both for the conquered and the conquering is shown. Using the city of Cologne as an example, it shows what is being done in every city and town in defeated Germany.

### **POLITICAL PARTIES (C)**

**j-h-c** 10 minutes **B&W: \$2.15**  
Designed to show the relationship of political parties to the individual and to show that the institution of parties is dependent upon popular approval. The work of party mechanics is illustrated, and the way parties keep good will is presented.

### **POLITICAL PARTIES (EB)**

**h-c-a** 19 minutes **B&W: \$4.15**  
Emphasizes that political parties provide the means by which citizens act together to choose men for public office and to further programs representing their interests. Explains how political parties operate. Points out that parties are as important when they are in the opposition as when they are exercising power.

### **POLITICS AND ELECTIONS (PRP)**

**j-h-c-a** 19 minutes **B&W: \$4.15**  
Shows political parties—how candidates are selected and “sold” to the voters and how political “bosses” can operate. Concludes with a step-by-step procedure that all voters can use to elect honest, hard-working candidates and in turn defeat dishonest bosses and their well-organized machines.

### **POLL AND JIMMY IN WONDERLAND (COF)**

**p-i** 10 minutes **B&W: \$2.15**  
The story of Jimmy who wanders off to parrot paradise where he has many friends is told.

### **POLLY, THE PARROT (BACKGROUND FOR READING AND EXPRESSION) (C)**

**p-i** 9 minutes **Color: \$3.40**  
Bill's pet, Polly, runs away from home. Children will learn not only an amusing story that will stimulate their imagination, but also about the habits of parrots.

### **POLYGONS (KB)**

**h-c** 11 minutes **B&W: \$1.90**  
The definition of polygon and the ideas of convex and concave are clarified by animation. The inscribed circle and the circumscribed circle of a regular polygon are described. The sum of the interior angles theorem and the sum of the exterior angles theorem are covered in detail.

### **POMPEII AND VESUVIUS (EB)**

**i-j-h-a** 11 minutes **Color: \$3.40**  
Portrays an actual eruption of Mt. Vesuvius and the ruins of the city of Pompeii. Recalls the eruption of 79 A.D. and depicts the current scene in Pompeii and environs. Shows life in present-day Naples and Sorrento within the very shadow of the ominous mountain.

### **POND INSECTS (EB)**

**i-j-h** 10 minutes **B&W: \$2.15**  
Presents the diving water beetle, the mayfly, and the dragonfly as representatives of this group of insects. Their life cycles, food habits, and struggle for existence are portrayed. Specifically illustrated are laying and hatching of eggs, nymph and pupal stages, and adult activities.

### **POND LIFE (EB)**

**p-i** 10 minutes **B&W: \$2.15**  
Depicts the pond as an organized community in which plants and animals are dependent upon each other, and points up conditions which are necessary for life in the pond. Shows how animals and plants live upon one another and keep the population of the pond in balance.

### **PONY EXPRESS (AB)**

**i-j** 9 minutes **B&W: \$2.15**  
How the letters of 1860 were dispatched across the western frontier by horse relays and couriers. A letter is followed from the time it is mailed in a general store post-office in Missouri until it reaches California 10 days later and is delivered to a miner in Sacramento. Affords an understanding of the mochila, cantina, and saddle of Pony Express days.

### **PONY EXPRESS IN AMERICA'S GROWTH (C)**

**i-j** 11 minutes **Color: \$3.60**  
The film portrays the dramatic story of the Pony Express—its inauguration and operation until the completion of the telegraph line across the west. We see the existing methods of communication in the late 1850's, and the need for better communication between the new states of California and Oregon and the East.

### **PONY FARM (F)**

**p** 14 minutes **Color: \$3.40**  
The raising of purebred ponies. Shows mare, foals, and their care and training.

### **POPULAR PSYCHOLOGY (WHAT'S YOUR OPINION SERIES) (McGH)**

**c-a** 11 minutes **B&W: \$2.35**  
Considers the question of how much faith one should put in popular psychology. When psychology is all around us like the air we breathe, how is the lay person to keep proper perspectives? The film centers the question around two housewives, Barbara and Jane. Barbara is regarded by Jane as indulging the psychology fad to the extent of looking for problems in her husband and child in order to practice her do-it-yourself analysis. But, reasons Jane, is a little psychology better than none at all? The film leaves the question open for discussion.

### **POPULATION PATTERNS IN THE UNITED STATES (C)**

**j-h** 11 minutes **B&W: \$2.35**  
Traces history up to patterns of 1960 census—movement from east to west, rural to urban areas, city to suburb, changes in birth and death rates, infant mortality, life span, and immigration. Current problems are discussed.

### **PORK PEOPLE LIKE (UI)**

**h-c-a** 13 minutes **Color: N.C.**  
The film illustrates the different qualities of pork and shows how to acquire the best in your meat purchases. It explains the importance of a “meat” type hog with the necessary steps to raise it, and distinguishes it from the “fat” type of hog. The housewife is instructed in the selection of good meat for her table.

### **PORT OF NEW YORK (McGH)**

**j-h-c** 17 minutes **B&W: \$3.85**  
Shipping activities on New York City's waterfront. Inspection of ships, policing of the harbor, how boats are berthed, the many products which pass thru the port, etc.

### **PORTRAIT OF HOLLAND (FIL)**

**j-h-c-a** 15 minutes **Color: \$4.30**  
Dutch paintings of the 17th century have been photographed from the originals in full color. The culmination of this period, as the film emphasizes, is the work of Rembrandt whose work “The Visitation” is presented to indicate Dutch types and details of life.

### **PORTS OF INDUSTRIAL SCANDINAVIA—SWEDEN'S EAST COAST (UW)**

**general** 22 minutes **B&W: \$3.15**  
These people of one of the earth's most northern countries live well because abundant water power helps them to make good use of their forests, minerals and farm lands. By following an icebreaker merchant vessel along Sweden's east coast, we observe the products at several industrial ports. Industries which are based on Sweden's most important natural resources—hydro-electric power, iron and lumber. Life in old and new Stockholm. Examples of the craftsmanship of Sweden's potters and glass-makers. A visit to a home in one of Sweden's cooperative apartments.

### **PORTUGAL (McGH)**

**j-h-c** 11 minutes **B&W: \$2.15**  
The status of education, labor, economy, and industry in this country, whose future role among the nations of the world is still undetermined, is shown with objectivity in this film.



**PORTUGAL (THIS WORLD OF OURS SERIES) (IFI)**

**i-j-h** 10 minutes Color: \$2.70  
Geography takes a view of the life and work of the people of Portugal.

**POSTER MAKING: DESIGN AND TECHNIQUE (BFS)**

**j-h-c-a** 11 minutes Color: \$3.40  
Poster layout, lettering, tracing, cutting, transfer, stenciling, and painting are manually demonstrated. The importance of correct techniques in the use of various brushes is cited. Color contrast, layout, lettering, measurement, and spacing are stressed.

**POSTER MAKING: PRINTING BY SILK SCREEN (BFS)**

**h-c-a** 14 minutes Color: \$5.35  
Presents the steps from the design, through the mounting of silk on the frame, taping, preliminary line drawing, paint mixture, paint feeding, using the squeegee, dissolving paint, and the photographic technique for lettering to produce three-color posters.

**POSTNATAL CARE (MA)**

**c-a** 13 minutes B&W: \$3.15  
Shows the mother in her hospital room doing exercises, caring for her baby, nursing, etc. Discusses the father's relation to the new situation and portrays some of the joy of parenthood. Diagrams illustrate how the mother's body returns to normal.

**POSTURE AND EXERCISE (EB)**

**j-h-c** 11 minutes B&W: \$2.15  
Describes and explains muscle activity and physiology of exercise. The various concepts presented include the relation of the nervous system to the skeletal muscles; motor units of work; muscle tonus in relation to posture; development of endurance; and peripheral circulation as it is related to general physical efficiency.

**POSTURE AND PERSONALITY (SSF)**

**j-h** 11 minutes Color: \$3.50  
Emphasizes the correlation between posture and personality by showing the influence of posture upon appearance and the efficiency in sports, games, making friends, and getting a job.

**POSTURE HABITS (C)**

**i-j** 11 minutes B&W: \$2.15  
This film develops posture consciousness and motivates the cultivation of good posture habits. It treats standing, walking, and sitting positions, using a puppet to explain bodily structure, showing scrapbook examples of good posture among adults, and why posture is important.

**POTTERY MAKING (EB)**

**i-j-h-c-a** 11 minutes B&W: \$2.15  
Shows a professional potter and the various processes of pottery making. Includes the making of duplicate pieces and techniques of applying glaze.

**POULTRY—A BILLION DOLLAR INDUSTRY (USDA)**

**general** 27 minutes B&W: \$3.65  
The magnitude of the poultry industry and how it is conducted. Poultry farms, hatcheries, poultry dressing, and handling of poultry products.

**POULTRY ON THE FARM (2nd EDITION) (EB)**

**p-i** 11 minutes B&W: \$2.35  
A delightful elementary study of the characteristics and habits of chickens, ducks, geese, and turkeys in a typical farm atmosphere. Describes incubation, chick embryo, and use of the brooding house. Sounds of poultry are reproduced.

**POWER (JH)**

**j-h-c** 7 minutes B&W: \$2.15  
Shows how energy is harnessed in the modern gasoline engine and automobile. Explains the actions of the four-stroke cycle gasoline engine: intake, compression, power, and exhaust.

**POWER BEHIND THE NATION (WB)**

**i-j-h-c-a** 16 minutes Color: \$2.15  
Shows scenes of the signing of the Declaration of Independence, the opening of frontiers, the advent of railroads, the embryonic industry of a hundred years ago, and the tremendous cauldron of production today. The power behind the nation is a freedom-loving, prosperous people, keeping the land and industry pro-

ducing and possessing a financial reserve as a buffer against depression.

**POWER OF PLANTS (AL)**

**j-h-c-a** 10 minutes B&W: \$2.15  
By means of time-lapse photography, the physical power of plants is shown in their effort to reach the sun and fulfill their growth. How they overcome such obstacles as rocks, covered glass jars, multiple layers of tin foil, and heavy weights is demonstrated.

**POWER UNLIMITED (McGH)**

**j-h-c** 17 minutes B&W: \$3.25  
Value of coal to the people of America. The story of the transformation of coal into products that have brought an enriched life to everyone. The men who produce the coal; transportation to the mills, factories, and foundries; the conversion into coke for iron and steel; the part coal miners played in the winning of the war; and the various by-products such as drugs, dyes, cosmetics, perfumes, plastics and nylon are all pictured.

**POWERS OF CONGRESS (C)**

**i-j-h-c** 11 minutes B&W: \$2.15  
Powers of Congress are the result of the Constitution. An understanding of these powers is explained through the use of a fantasy.

**PRACTICAL LETTERING (CO) (SILENT)**

**h-c-a** 14 minutes B&W: \$2.65  
Demonstrates the construction of each letter and number in Commercial Gothic, the basic style for drafting and hand lettering.

**PRACTICE MAKES PERFECT DRIVERS (DRIVER EDUCATION) (GM)**

**h-c-a** 9 minutes B&W: \$1.65  
Demonstrates driving skills which enable the expert driver to avoid trouble under difficult conditions, emphasizing the necessity for constant practice. Covers the problems of steep grades, rough roads, skidding, blowouts, approach of emergency vehicles, and headlight glare.

**PRACTICING DEMOCRACY IN THE CLASSROOM (EB)**

**j-h-c-a** 21 minutes B&W: \$4.15  
Shows what is meant by "democratic teaching techniques" in social studies. Depicts student selecting discussion topics with the guidance of the teacher, establishing goals, working as committees in contacting the community, and reporting their experiences to the class.

**PRAIRIE, THE (AB)**

**general** 20 minutes Color: \$5.45  
Geography probes the physical environment of the North American prairie region. The relation of this region to man, the kinds of crops grown, and the types of livestock raised.

**PRAYING MANTIS, THE (HFE)**

**j-h-c** 10 minutes B&W: \$2.15  
An amazingly intimate study on one of nature's most interesting insects, the praying mantis. Detailed microcinematography is used to record the various stages of this insect's exciting existence.

**PRECISELY SO (GM)**

**h-c-a** 21 minutes B&W: \$2.65  
Development of modern standards of accuracy from ancient times to the present. Illustrates scientific instruments capable of measuring time to the thousandth of a second, weighing a dot of a lead pencil on a piece of paper and splitting a hair-breadth measurement into hundreds of parts.

**PRECISION GAGE BLOCKS (USOE)**

**h-c** 18 minutes B&W: \$2.90  
The film shows methods of calculating gage blocks; ways to clean and assemble them; and uses of gage blocks.

**PREFACE TO A LIFE (UW)**

**a** 26 minutes B&W: \$3.65  
Critical years in a child's life are studied from a psychological and sociological viewpoint. It indicates his developing personality is affected by the attitudes and actions of his family, friends and neighbors.



**PREFACE TO CHEMISTRY (EB)**

j-h 18 minutes B&amp;W: \$3.45, Color: \$5.65

A brief description of our chemical heritage including the works of Priestley and Lavoisier. Introduces three basic areas of Chemistry—inorganic, organic and physical—shows how these lead to applications that are widely beneficial. Portrays experiments concerning chemical change, electrolysis, conductivity, and analysis. Describes how the work of modern chemists contribute to a higher standard of living.

**PREFACE TO PHYSICS (EB)**

j-h 18 minutes B&amp;W: \$3.65

Shows interesting insights in the fields of mechanics, heat, light, sound, and electricity. Designed especially to review some of the important aspects of physics, it stimulates beginners to acquire greater interest in this subject. Historical settings, animated drawings and modern laboratory invest this film with an exceptional degree of educational impact.

**PREFLIGHT INSPECTION: AIRPLANE (CAA)**

h-c 17 minutes B&amp;W: \$2.15

Shows the necessity for careful and thorough inspection; how to use the "Circle Method" to give a complete and systematic inspection; and how each part—landing gear, wings, fuselage, tail surfaces, cabin, controls, instruments—is inspected.

**PREFLIGHT INSPECTION: ENGINE (CAA)**

h-c 11 minutes B&amp;W: \$2.15

Shows the importance of continuous preventive maintenance in keeping an aircraft engine airworthy; the need for safe working habits during inspection; how to inspect systematically the engine, propeller blades and hub, cowling, controls, ignition system, and fuel system; how to conduct an engine run-up; and the inspector's responsibility in signing the preflight inspection form.

**PREHISTORIC ANIMALS OF THE TAR PITS (FA)**

i-j-h 15 minutes Color: \$5.15

Filmed at the famous tar pits in California. Describes how the animals are found; illustrates how scientists reconstruct their skeletons and what we can learn from them.

**PREHISTORIC MAN IN NORTHERN EUROPE (EB)**

i-j-h-c 14 minutes B&amp;W: \$3.15

The story of man is a story of change. From the earliest beginnings through each successive age, man's way of life has changed slowly. This film traces the development of man's way of life from the New Stone Age through the ages of Bronze and Iron, to the end of the prehistoric age, brought about by the introduction to the written language. Through the study of artifacts and ancient relics, we can now have insight into the early life of man.

**PREHISTORIC TIMES: THE WORLD BEFORE MAN (C)**

i-j-h 11 minutes B&amp;W: \$2.15, Color: \$3.40

Each of the five great geological eras is presented according to its most important geological and biological developments.

**PRELUDE TO WAR (OWI)**

h-c-a 50 minutes B&amp;W: \$7.25

Documents the background of World War II, showing the development of Fascism in Germany, Italy, and Japan, and of the beginning of Japanese aggression in Manchuria. Dwells particularly on the rise of Nazism and the necessity of a major effort to defeat Germany first and then Japan.

**PRENATAL CARE (MA)**

h-c-a 21 minutes B&amp;W: \$4.65

Diagrams show the female organs and the changes that take place during pregnancy. Emphasizes the fact that the prospective mother should work with the doctor and her husband in planning exercise, diet, and clothing. Diagrams show the development of the embryo, with emphasis on the weight gain during the last three months.

**PREPARATION AND PROPERTIES OF HYDROGEN (CHEMISTRY LAB. SERIES) (McGH)**

h-c 18½ minutes B&amp;W: \$3.70

The electrolysis of water, forming hydrogen and oxygen, is demonstrated. The following reactors are studied: sodium and calcium with water, several metals with hydrochloric acid, and several acids with zinc. The construction of a hydrogen generator and the collection of several bottles of the gas is shown.

**PREPARATION AND PROPERTIES OF NITRIC ACID (CHEMISTRY LAB. SERIES) (McGH)**

h-c 21 minutes Color: \$6.65

Nitric acid is prepared from sodium nitrate and sulfuric acid in a retort. Solutions of nitric acid in water are discussed. It is shown that dilute nitric acid has conventional acid properties as well as oxidizing properties. The reduction products of nitric acid solutions of various concentrations are determined. Equations for the reactions involved are discussed.

**PREPARATION AND PROPERTIES OF THE HALOGENS (CHEMISTRY LAB. SERIES) (McGH)**

h-c 32 minutes B&amp;W: \$6.15

The conventional laboratory methods for the preparation of chlorine, bromine and iodine are discussed and demonstrated. The physical and chemical properties of these elements are discussed and illustrated by means of numerous reactions. The relative activity of these elements is shown. Equations for the reactions demonstrated are derived and discussed. Fluorine is not included.

**PREPARATION OF AIRCRAFT ENGINES FOR STORAGE—PRESERVATION (CAA)**

a 22 minutes B&amp;W: \$2.15

Demonstrates the packing of a Pratt and Whitney 1830 engine in a sealing envelope and then crating it for storage—this is the major technique in preserving an aircraft engine.

**PREPARATION OF AIRCRAFT ENGINES FOR STORAGE: RETREATMENT AND PREPARATION FOR SERVICE (CAA)**

c 14 minutes B&amp;W: \$2.15

Shows checking engines in storage, removal of engine from crate and envelope, and procedure to follow in preparing engine for service. Also shows re-preserving process.

**PREPARATION OF TEACHERS (UW)**

h-c-a 18 minutes B&amp;W: \$2.90

Ball State Teachers College demonstrates teacher training methods to individuals preparing for a teaching career. The student-teacher sees the importance of having desirable personality traits and a well-rounded background. Ways to understand children and provide a suitable program for individual differences are presented.

**PREPARING TO USE A FILM (SBC)**

h-c-a 11 minutes B&amp;W: \$2.15

The importance and method of preparing to use a film in the various phases of a church program. The leader who has ordered the film demonstrates the routine preparation for using the film the following Sunday. The preview, integrating the film with other curriculum materials, preparing the room, setting up the equipment, and other important steps in preparation are presented.

**PREPARING YOUR BOOK REPORT (C)**

i-j 11 minutes B&amp;W: \$2.35

Successful experiences with book reports, both by pupils giving reports and those listening, are of great importance in developing and enriching reading interests and potential. This film shows why book reports are made and steps to follow to make a good report, illustrating proper preparation, delivery, and class participation.

**PRESENT FOR SANTA CLAUS (OF)**

p-i 9 minutes B&amp;W: \$1.65

Two children decide to buy Santa Claus a Christmas present.

**PRESERVING FOOD (C)**

j-h-c 10 minutes B&amp;W: \$2.15

This home economics film teaches the knowledge and skills necessary to preserve our food. It shows the nature and effect of molds, yeast, bacteria, and enzymes in relation to food spoilage. The reasons behind short-term and long-term methods of food preservation are given, and each method is explained.

**PRESIDENCY, THE (MOT)**

j-h-c-a 10 minutes B&amp;W: \$1.90

The present position of the presidency is traced from the constitutional beginning of the office, through the development of the implied powers, to the unique status of the presidency today. Relates the presidency to the men who have held the office and to the events that have shaped their conduct.



**PRESIDENT, THE (EB)**

j-h-c-a 19 minutes B&amp;W: \$3.65

An historical survey investigates how the present power and influence of the President of the United States and executive branch came into practice. It summarizes the scope and responsibilities of the Chief Executive of today. We see how the office has grown from the action of strong presidents in times of crisis.

**PRESIDENT PLANTS A TREE (USDA)**

i-j-h-c-a 6 minutes Color: \$1.65

The White House has a special significance for all American citizens. Each President has left his mark on the official executive residence. Some of the finest contributions to its beauty have been trees planted by our Presidents on the White House lawn. Many of these trees are shown in their present splendor. Here, following tradition, President Eisenhower plants the tree of his choice for future generations to enjoy.

**PRESIDENTIAL ELECTIONS (EB)**

h-c-a 14 minutes B&amp;W: \$3.65

Describes the process of electing a President of the United States, the most significant event in American political life. Animated drawings and a wealth of photographic material record campaigns. Describes the structure and strategy of presidential campaign organizations and the major political moves involved in the nomination and election of a President.

**PRESIDENT'S CABINET (C)**

j-h-c-a 11 minutes B&amp;W: \$2.15

Relationship of the President's cabinet to everyday life situations and to other functions of our government. Functions of the cabinet and the executive departments are outlined and a review of the general development of the cabinet is offered.

**PRESSURE GROUPS (EB)**

h-c-a 21 minutes B&amp;W: \$4.15

Clearly explains what pressure groups are and reveals that, when democratically used, they are a necessary instrument for decision-making in a democracy. Illustrates methods used by a representative democratic pressure group to bring about legislation for a desirable civic project. Contrasts these methods with the under-handed and behind-the-scenes manipulation employed by a group attempting to prevent the passage of a bill.

**PREVENTING THE SPREAD OF DISEASE (NMP)**

a 10 minutes B&amp;W: \$2.15

Communicable disease may be reduced if the individual and the community take strong measures of control. Both need to cooperate in order to prevent epidemics.

**PRICE OF FREEDOM, THE (NAM)**

h-c-a 22 minutes B&amp;W: \$3.15

A young reporter, after seeing what happens to the individual's freedoms under the police state, decides to warn the readers of his newspaper against the tendency of the people of any country to want the government to do everything for them.

**PRICKLY, THE PORCUPINE (BACKGROUND FOR READING AND EXPRESSION) (C)**

p-i 9 minutes B&amp;W: \$2.25, Color: \$3.40

Prickly's search for salt led him out of the woods and to a farm. His encounters with the farm children and their dog provide a basis for reading and storytelling and enable children to observe characteristics of this unusual animal.

**PRIDE AND PREJUDICE (TFC)**

j-h-c-a 44 minutes B&amp;W: \$8.00

An abridged version of the feature-length dramatization of Jane Austen's novel. *Restricted to Classroom Use.*

**PRIDE—THE SADDLE HORSE (EB)**

p-i 10 minutes B&amp;W: \$2.15

Illustrates various uses of the horse in modern life and traces the development and training of a colt until it becomes a prize saddle horse at 3 years of age.

**PRIMARY CELL, THE (EB)**

h-c 10 minutes B&amp;W: \$2.15

Clarifies dry cell operation in terms of electron action. Demonstrates ionization of an electrolyte, electron flow, action at electrodes, polarization, and function of the depolarizer. Also reveals operating characteristics and uses of a single cell and cells connected as a battery in series and in parallel.

**PRIMARY FLIGHT TRAINING: ATTITUDES OF FLIGHT—PART I (CAA)**

h-c 17 minutes B&amp;W: \$2.15

Discusses performance of the climbing attitude, the glide, straight and level flight, and the gliding turn. Reviews flight procedures for each attitude and orients the pilot in "the feel" of the operation. Stop motion clarifies correct attitude angles.

**PRIMARY FLIGHT TRAINING: ATTITUDES OF FLIGHT—PART II (CAA)**

h-c 12 minutes B&amp;W: \$2.15

Discusses performance of the 180 degree power on approach, out of the wind take-offs and landings, stall and recovery from stalls. Reviews flight procedures for each attitude and orients the pilot in "the feel" of the operations. Stop motion clarifies correct attitude angles.

**PRIMARY FLIGHT TRAINING: BEFORE YOU FLY (CAA)**

h-c 33 minutes B&amp;W: \$2.15

Pre-flight inspection, starting and stopping procedures, and care of parachutes are demonstrated. Emphasis on the inherent dangers of not following instructions, plus humor, are attained by the use of a cock-sure, know-it-all-cadet. A normal, average student demonstrates correct procedures.

**PRIMARY FLIGHT TRAINING: FIRST FLIGHT—PART I (CAA)**

h-c 12 minutes B&amp;W: \$2.15

Shows how the control surfaces affect the behavior of a plane, how the ailerons, stabilizer are used in flying; the primary principles of flight are demonstrated.

**PRIMARY FLIGHT TRAINING: FIRST FLIGHT—PART II (CAA)**

h-c 11 minutes B&amp;W: \$2.15

Shows the use of trim tabs in flight; how important a 210° vision is to the pilot; learning to listen to the engine and tell by sound how the plane is reacting; use of the rudder to facilitate entry and recovery from turning practice.

**PRIMARY FLIGHT TRAINING: FLIGHT PATH PRECISION COVERING CIRCLE SHOTS, PYLONS, AND SMALL FIELD PROCEDURE (CAA)**

h-c 22 minutes B&amp;W: \$2.15

Shows proper procedure for circling, flying pylons, and for landing and taking off from a small field.

**PRIMARY FLIGHT TRAINING: FLYING SENSE (CAA)**

h-c 22 minutes B&amp;W: \$2.15

Designed to bring the primary flight student in contact with the fundamentals of the primary flight program, linking his childhood experience and preparatory training with his projected activities by use of analogies with walking, bicycling, and driving a car.

**PRIMARY FLIGHT TRAINING: KEEP IT FLYING—PART I (CAA)**

h-c 11 minutes B&amp;W: \$2.15

Shows relation of angle of attack to lift and stalling; what apparent weight involves and how to tell if it is increasing. Stresses getting the feel of the plane in stalling attitudes. Robert Taylor portrays the instructor and narrator.

**PRIMARY FLIGHT TRAINING: KEEP IT FLYING—PART II (CAA)**

h-c 15 minutes B&amp;W: \$2.15

Shows stalls, spins, and recoveries. Stresses getting the feeling of these actions, the break in a stall, the shudder just before she breaks away—the "hy-ya Mable" stall and its effective results. Importance of the fact that planes do not stall themselves; they are stalled by the pilot. The use of the falling leaf maneuver in landing is demonstrated. Technique for spin recovery and analyses of progressive stalls and spins are made.

**PRIMARY FLIGHT TRAINING: LANDINGS (CAA)**

h-c 13 minutes B&amp;W: \$2.15

Shows correct method of landing; how to gain a landing attitude through a gliding approach and the stall; the importance of maintaining heading; how to correct for excess landing speed. An interesting comparison between the attitude of the plane in landing and attitude of a bird in landing is made.



## PRIMARY FLIGHT TRAINING: RACE TRACK PATTERNS—PART I (CAA)

**h-c** 22 minutes **B&W: \$2.15**  
Discusses landing approach problems, the effects of wind according to its strength and direction and the effect of turning too wide or too sharply. Illustrates proper methods of making the 90 degree approach and drift angle correction.

## PRIMARY FLIGHT TRAINING: RACE TRACK PATTERNS—PART I (CAA)

**h-c** 21 minutes **B&W: \$2.15**  
Illustrates principles involved in making a proper 180 degree power approach in landing on predetermined spot in the field. Explains how to determine if the distance from field is correct, how to vary attitude of flight and/or power in order to vary speed and/or rate of descent.

## PRIMARY FLIGHT TRAINING: SAFE FOR SOLO (CAA)

**h-c** 22 minutes **B&W: \$2.15**  
Explains flight instructions for emergency landings and lost and strange field procedures. Discusses altitudes, winds, airspeeds, ground approaches, and take-offs relative to each situation. Uses animation to point out the varying conditions.

## PRIMARY FLIGHT TRAINING: SLIPS (CAA)

**h-c** 11 minutes **B&W: \$2.15**  
A narrative explanation of executing slips and the common errors usually made by student flyers. Maneuvers are explained also by animation over live photography.

## PRIMARY FLIGHT TRAINING: STEEP TURNS AND SPIRALS (CAA)

**h-c** 11 minutes **B&W: \$2.15**  
Procedures and principles involved in executing steep turns and spirals. Shows scenes of aircraft in flight from pilot's cockpit and from observation plane.

## PRIMARY FLIGHT TRAINING: TAKE-OFFS (CAA)

**h-c** 19 minutes **B&W: \$2.15**  
Shows the correct procedures to use in taxiing; the different hand signals used by a plane captain for getting off the line; explains how the airplane undergoes a change in attitude from the taxiing stage through the transition to flying stage; and stresses smooth positive throttle application during take-off. Common mistakes are analyzed and methods of correction considered.

## PRIMARY SAFETY: IN THE SCHOOL BUILDING (C)

**p** 10 minutes **Color: \$3.40**  
When it is Bill's turn to be the Safety Guide in his classroom, he uses a STOP sign to call attention to any action that is dangerous and a GO sign to point out the performance of good safety practices. The game makes learning safety fun for the whole class, and helps the children learn good practices in the school building.

## PRIMARY SAFETY: ON THE SCHOOL PLAYGROUND (C)

**p** 10 minutes **Color: \$3.40**  
Pete knows that the right way to do things is the safe way, and there is a right way to swing, to play on the traveling rings, to see-saw, to play ball, and to slide. Children on the playground demonstrate good safety practices that apply wherever children play.

## PRIMITIVE MAN IN OUR WORLD (BFS)

**j-h-c-a** 12 minutes **Color: \$4.10**  
Shows the basic pattern of primitive life as it still exists in the Sepik River region of New Guinea in the South Pacific where a self-sufficient people live in a world almost untouched by modern civilization. The film pictures the daily lives of these people, showing how the jungle furnishes them with food, clothing, shelter, and transportation. The importance of art and religion in their everyday life is stressed.

## PRINCESS AND THE DRAGON, THE (SF)

**p-i** 9 minutes **B&W: \$1.65**  
Puppets portray the story of the cobbler boy who slays a dragon and wins the hand of the fair princess.

## PRINCIPAL DIMENSIONS, REFERENCE SURFACES, AND TOLERANCES (USOE)

**h-c** 11 minutes **B&W: \$1.65**  
Shows the relationship between the blueprint and a rough and finished casting; how to use a blueprint in selecting reference

surfaces; how to interpret tolerances; and how to use a blueprint in checking the accuracy of finished work.

## PRINCIPLE OF MOMENTS (USOE)

**c-a** 22 minutes **B&W: \$3.15**  
Explains the concept of moment of a force, the formula for finding its numerical value, and the principle of moments as applied to all coplanar force systems.

## PRINCIPLE OF THE GENERATOR (YA)

**j-h-c-a** 9 minutes **B&W: \$2.15**  
Uses animation to explain the elementary principles of electromagnetic induction in simple terms. These principles are then related to the operation of the generator which supplies electric current to homes and factories.

## PRINCIPLES OF BAKING (EB)

**j-h** 11 minutes **B&W: \$2.15**  
Explains the principles involved in the baking of yeast breads, quick breads, pastries and cakes. Describes the structure of flour, the common ingredient in all baked products, and the changes that occur during the leavening process. Illustrates how baked products consisting of flour mixtures vary according to the other ingredients involved, the leavening agent used, the manner of mixing and the baking temperature.

## PRINCIPLES OF CHROMATOGRAPHY (ADVANCED SCIENCE SERIES) (McGH)

**h-c** 20 minutes **Color: \$6.30**  
Four methods of chromatography are illustrated and described.

## PRINCIPLES OF COOKING (EB)

**j-h** 11 minutes **B&W: \$2.15**  
Explains the fundamental principles of various methods of cooking meats and vegetables—boiling, frying, broiling, roasting, steaming, and pressure cooking. Each process is described in terms of its effect on nutritive values and the palatability of foods. Animated drawings explain the changes that take place when heat is applied to starches and meat.

## PRINCIPLES OF DRY FRICTION (UW)

**j-h-c-a** 17 minutes **B&W: \$2.90**  
Friction is defined in clear concise terms. The forces involved in friction, the advantages and disadvantages, the calculation of the coefficients of static and kinetic friction are explained.

## PRINCIPLES OF FLIGHT (CAA) (SILENT)

**j-h-c** 15 minutes **B&W: \$2.15**  
Elementary principles of lift and flight are illustrated by kite, glider and airplane. Animation and photography of apparatus, and wind tunnels are used to show effect of air current velocity, inclination angle of wings, and streamlining. Standard controls are demonstrated—rudder, elevators, ailerons, stabilizer, and fin.

## PRINCIPLES OF GAS FILLED TUBES (USOE)

**j-h-c** 15 minutes **B&W: \$2.90**  
Ionization as applied to gas-filled tubes is demonstrated. Other theories include control of currents; the gas diode as a rectifier; action of the grid; and the application of gas triode as a grid-controlled rectifier.

## PRINCIPLES OF GEARING (UW)

**h** 18 minutes **B&W: \$2.90**  
An orientation film for students in physics, machine shop and mechanical drawing classes. It explains the law of gearing, friction gears and toothed gears, positive driving, pressure angle, velocity rates, involute profiles, cycloid profiles, and circular pitch.

## PRINCIPLES OF GENETICS: ALLELISM AND LETHALS (McGH)

**c** 30 minutes **B&W: \$6.50**  
Narrator—C. Stern. Examples are discussed of multiple allelism in man (ABO blood types), *Drosophila* (eye color and wing venation), rabbits (coat color), and tobacco (self-sterility). These examples are naturally followed by a preliminary discussion of how genes act to produce phenotypes. Genes may be classified by their effects upon viability, some being detrimental and others lethal. Specific recessive lethals are described in the snapdragon, mouse, and horse. Correlated with the McGraw-Hill text, *Principles of Genetics*.



## PRINCIPLES OF GENETICS: BACTERIAL GENETICS; CLONES (McGH)

c 30 minutes B&W: \$6.50

Narrator—J. Lederberg. Motivations for research with bacteria are presented. Asexual reproduction of bacteria produces clones. Several methods are described for isolating a single bacterium, and the typing of bacteria by clonal phenotype is discussed. The demonstration of the pre-adaptiveness and spontaneous nature of bacterial mutations is discussed in terms of different procedures—the fluctuation test of Luria and Delbruck, the streaking of individual colonies, and the replica plating of either separated or unseparated colonies. Use of biochemical mutants permits the detection of very low mutation rates in bacteria. Certain aspects of induced mutation in bacteria are discussed. Correlated with the McGraw-Hill text, *Principles of Genetics*.

## PRINCIPLES OF GENETICS: BACTERIAL GENETICS; GENETIC TRANSDUCTION (McGH)

c 30 minutes B&W: \$6.50

Narrator—J. Lederberg. The discovery of genetic transduction (fragmentary genetic exchange) in *Salmonella* is described in detail. Proof is given that bacteriophage is the evoking and the transferring agent for the transduction. An example is given of how a transduction experiment is carried out with *Salmonella*. The transduced material is only a small fraction of the bacterial genome (single marker and linked transductions in *Salmonella* and *E. coli* are discussed). The different mechanisms for genetic recombination in bacteria are listed. Correlated with the McGraw-Hill text, *Principles of Genetics*.

## PRINCIPLES OF GENETICS: BACTERIAL GENETICS; SEXUAL REPRODUCTION (McGH)

c 30 minutes B&W: \$6.50

Narrator—J. Lederberg. Genetic recombination in bacteria is described as it was first demonstrated by means of obtaining prototrophs derived from different auxotrophs. The fertilization process in bacteria is described, as are also the F<sup>-</sup>, F<sup>+</sup>, and Hfr mating types. The infectious nature of maleness is due to an F particle which may participate either as a chromosomal or an extra-chromosomal element, that is, which acts as an episome. The discovery of the bacterial virus, lambda, and its episomal behavior are discussed in detail. Correlated with the McGraw-Hill text, *Principles of Genetics*.

## PRINCIPLES OF GENETICS: BIOCHEMICAL GENETICS I (McGH)

c 30 minutes B&W: \$6.50

Narrator—G. W. Beadle. Garrod's work on inborn errors in the metabolism of alcapton and melanin is discussed. Using genetic defects as tools, chemical pathways in metabolism can be worked out. The metabolic diseases phenylketonuria and galactosemia are discussed and it is pointed out that medical treatment causes the retention, and therefore the build-up, of defective genes in the population. The one gene-one enzyme hypothesis is presented. *Neurospora* is described as a tool for studying biochemical genetics. The procedure for testing the hypothesis in question with mutants requiring Vitamin B<sub>1</sub> (thiamin) is given in detail. Correlated with the McGraw-Hill text, *Principles of Genetics*.

## PRINCIPLES OF GENETICS: BIOCHEMICAL GENETICS II (McGH)

c 30 minutes B&W: \$6.50

Narrator—G. W. Beadle. Tests of the one gene-one enzyme hypothesis involving tryptophan synthetase and also adenylosuccinase are described. An example of the use of *Neurospora* for identifying biosynthetic pathways (in tryptophan synthesis) is given. Studies of the genetic determination of protein structure (the work with hemoglobin is described in detail) lead to restating the hypothesis as one gene (cistron) one polypeptide chain. Evidence that DNA is genetic material comes from the mutability of monochromatic ultraviolet light, bacterial transformation by DNA, and studies with radioactive bacterial virus. Correlated with the McGraw-Hill text, *Principles of Genetics*.

## PRINCIPLES OF GENETICS: BIOCHEMICAL ORIGIN OF TERRESTRIAL LIFE (McGH)

c 30 minutes B&W: \$6.50

Narrator—J. Lederberg. The age of the universe and of the earth is discussed. The common biochemical, chromosomal, and mitotic plan of living things is noted. The minimum requirements for the first organism are discussed, as are also the organic syntheses which must have preceded the first organism (work of Oparin and of Miller and Urey). The comparative chemistry of the earth and the universe demonstrates that the elements required for organic syntheses are relatively more abundant in the universe. The search for organic compounds, DNA, and

life on other planets (Mars, Venus, and the Moon) is discussed, emphasis being placed upon avoiding the accidental transplantation of terrestrial genotypes. Correlated with the McGraw-Hill text, *Principles of Genetics*.

## PRINCIPLES OF GENETICS: CHANGES IN GENOME NUMBER (McGH)

c 30 minutes B&W: \$6.50

Narrator—H. J. Muller. Hereditary differences arise by new combinations of old genes and by really new, novel, hereditary types arising by the process of mutation. Four general categories of mutation are listed in a classification that proceeds in order from the largest to the smallest number of genes involved. Changes in genome number, or ploidy changes, is the first mutational type discussed, and examples of such mutations in the Jimson weed, *Datura*, and in *Drosophila* are described in detail. The general advantages and disadvantages of ploidy changes in plants and in animals are discussed. Correlated with the McGraw-Hill text, *Principles of Genetics*.

## PRINCIPLES OF GENETICS: CHROMOSOME ADDITION AND SUBTRACTION (McGH)

c 30 minutes B&W: \$6.50

Narrator—H. J. Muller. The polyploid nature of larval salivary cells of *Drosophila* and certain human cells is discussed. Non-disjunction is a mechanism for the addition and subtraction of single whole chromosomes, leading to haplo-IV and triplo-IV *Drosophila* and to trisomics and monosomics in *Datura*. Tetraploids are compared to tetrasomics. The cause of Mongolian idiocy is discussed briefly. The consequences are discussed of a single break in a chromosome whose broken ends fail to join reconstitutionally. Correlated with the McGraw-Hill text, *Principles of Genetics*.

## PRINCIPLES OF GENETICS: CHROMOSOME CHEMISTRY AND GENETIC ACTIVITY (McGH)

c 30 minutes B&W: \$6.50

Narrator—J. Schultz. The contributions of Mendel, the Hertwigs, and Miescher to our understanding of modern genetics are discussed. Chromosome chemistry is discussed in terms of the cytological distribution of nucleic acids, the chemical composition of chromosomes in groups of isolated nuclei and in single nuclei, and the chemical content of salivary chromosomes and their bands. A comparison of cell activity with the DNA and RNA content of various giant chromosomes in insect larvae leads to the conclusion that gene action can occur by the disproportionate increase in the amount of DNA or of RNA. Correlated with the McGraw-Hill text, *Principles of Genetics*.

## PRINCIPLES OF GENETICS: CROSSINGOVER, CHIASMATA, AND GENETIC MAPS (McGH)

c 30 minutes B&W: \$6.50

Narrator—G. W. Beadle. Standard genetic maps derived from crossingover studies are discussed and so are the factors which influence the rate of crossingover. A model that correlates a single chiasma and single crossover is discussed. Since a tetrad usually has more than one chiasma two questions are discussed in detail: Which of the four strands are likely to form a second chiasma when, so to speak, the first one is already present in the tetrad? Does the occurrence of one chiasma influence the chance that a second one will occur in the same tetrad (regardless which strands are involved)? Map distance and crossingover is discussed, concluding with the determination of the order of three linked genes. Correlated with the McGraw-Hill text, *Principles of Genetics*.

## PRINCIPLES OF GENETICS: CROSSINGOVER IN TERMS OF MEIOSIS (McGH)

c 30 minutes B&W: \$6.50

Narrator—R. E. Cleland. Linkage is complete in *Drosophila* males. This fact makes it easy to detect autosomal linkage in this form by a method described. The hypothesis is discussed that chiasmata represent physical evidence of crossingover. This would mean that crossingover takes place at a 4-strand rather than a 2-strand stage. Genetic proof for this is presented from studies with *Neurospora*, described in detail, and prefaced by a description of the life cycle and meiotic divisions of this organism. The normality of chiasmata, and hence crossingover, is discussed, as is also the cytological demonstration of crossingover. Correlated with the McGraw-Hill text, *Principles of Genetics*.

## PRINCIPLES OF GENETICS: CYTOGENETICS OF OENOTHERA (McGH)

c 30 minutes B&W: \$6.50

Narrator—R. E. Cleland. DeVries' study of the evening primrose is discussed, particularly in view of how its hereditary behavior differs from that of peas. The exceptional breeding behavior of *Oenothera* became understood through 1) Ren-



ner's work identifying gene complexes and balanced lethals, 2) Cleland's studies of *Oenothera* cytology, 3) Cleland-Renner-Oehlkers' cytogenetic study of race hybrids, 4) work stimulated by Bellings' discovery of circle formation by chromosomes in heterozygotes for reciprocal translocations. The unusual cytogenetic behavior of *Oenothera* provides an outstanding test of the validity of the chromosome theory of inheritance. Correlated with the McGraw-Hill text, *Principles of Genetics*.

#### PRINCIPLES OF GENETICS: CYTOPLASMIC HEREDITY (McGH)

**c** 30 minutes **B&W: \$6.50**  
Narrator—T. M. Sonneborn. The similarities and differences between chromosomal and cytoplasmic heredity are discussed. Three examples of cytoplasmic heredity are described in detail: chlorophyll production in corn, male sterility in corn, and cell organization in paramecium (demonstrated by motion pictures). These studies reveal interactions that occur between the nuclear and the cytoplasmic hereditary elements both on the mutational and phenotypic levels. Correlated with the McGraw-Hill text, *Principles of Genetics*.

#### PRINCIPLES OF GENETICS: DEVELOPMENTAL GENETICS I (McGH)

**c** 30 minutes **B&W: \$6.50**  
Narrator—L. C. Dunn. Since characters are not inherited, developmental genetics deals with how phenotypes come into being through the action of genes. Genes act at various levels of organization—they make more genes, they regulate metabolism by their intracellular and intercellular activities. Following this orientation, the major portion of the lecture gives a complete discussion of the Creeper domestic fowl—its genetic basis, morphology, embryological history, and the experimental work that lead to an understanding of how this gene affects early development to produce the morphological features seen as the outcome of the developmental process. Correlated with the McGraw-Hill text, *Principles of Genetics*.

#### PRINCIPLES OF GENETICS: DEVELOPMENTAL GENETICS II (McGH)

**c** 30 minutes **B&W: \$6.50**  
Narrator—L. C. Dunn. Genes produce phenotypic differences by acting very early in development. This action may take place at a distance through chemical messengers (pituitary dwarfism in the house mouse, lethal giant larva in *Drosophila*), or it may involve tissue induction systems (Brachyury and taillessness in the house mouse). The development of eye color in *Drosophila* is discussed as a model of how each of the steps in a chain of chemical processes leading to development is under genic control. Correlated with the McGraw-Hill text, *Principles of Genetics*.

#### PRINCIPLES OF GENETICS: DNA STRUCTURE AND REPLICATION (McGH)

**c** 30 minutes **B&W: \$6.50**  
Narrator—J. D. Watson. RNA and DNA are favored as the carriers of genetic information. The appearance of DNA in the electron microscope, the polymeric nature of the DNA molecule, and DNA nucleotides are described. The base content of DNA from various organisms is compared. The three-dimensional organization of DNA, revealed through X-ray diffraction experiments, is described in detail. This Watson-Crick double helix model of DNA suggests that DNA may replicate by the two complementary chains separating with each single strand then acting as a template to form its complement. Correlated with the McGraw-Hill text, *Principles of Genetics*.

#### PRINCIPLES OF GENETICS: EXPRESSION AND INTERACTION OF GENES (McGH)

**c** 30 minutes **B&W: \$6.50**  
Narrator—J. Schultz. Bateson's contributions to our understanding of gene expression and interaction are discussed. The use of *Drosophila* as a research tool in the hands of Morgan and Bridges is described and various mutants of this organism are used to illustrate how combinations of non-alleles may produce phenotypic effects which superpose, show epistasis-hypostasis, or are new to the series of crosses. Correlated with the McGraw-Hill text, *Principles of Genetics*.

#### PRINCIPLES OF GENETICS: GENE STRUCTURE AND GENE ACTION (McGH)

**c** 30 minutes **B&W: \$6.50**  
Narrator—G. W. Beadle. The Watson-Crick structure of DNA is discussed in terms of mutation. Several tests of the chain separation hypothesis for DNA replication are described (experiments with heavy DNA, radioactive chromosomes, and the replication of DNA in vitro). The working hypothesis is presented that the coded information in DNA is transferred to RNA

which serves as a template for polypeptide synthesis. Considerable attention is given to "comma-free" codes and the length of DNA that specifies an amino acid. Within the DNA segment that specifies a polypeptide there are as expected, many linearly-arranged mutational sites. Correlated with the McGraw-Hill text, *Principles of Genetics*.

#### PRINCIPLES OF GENETICS: GENETIC LOADS IN MENDELIAN POPULATIONS (McGH)

**c** 30 minutes **B&W: \$6.50**  
Narrator—Th. Dobzhansky. The frequency of mutants in the population gene pool depends upon their rate of origination and selection coefficient. The population rate of dominant lethals (retinoblastoma), dominant detrimental (achondroplasia), and recessive lethals (juvenile amaurotic idiocy) are discussed in these terms. The load of mutations carried in natural populations of *Drosophila pseudo-obscura* is described in detail. The genetic load in man is discussed. While most mutants are detrimental in the normal environment of the species, some may be advantageous in a different environment. Correlated with the McGraw-Hill text, *Principles of Genetics*.

#### PRINCIPLES OF GENETICS: GENETICS OF MENDELIAN POPULATIONS (McGH)

**c** 30 minutes **B&W: \$6.50**  
Narrator—Th. Dobzhansky. Expectations from blending vs. particulate hereditary materials are compared. The nature and importance of population genetics is discussed. The Hardy-Weinberg equilibrium principle for Mendelian (cross-breeding) populations is derived. Though the Hardy-Weinberg law produces a static gene pool when it applies, mutation, selection, random genetic drift, and migration upset this equilibrium and cause gene frequencies to shift—these factors being, therefore, the principal causes of evolution. Correlated with the McGraw-Hill text, *Principles of Genetics*.

#### PRINCIPLES OF GENETICS: THE GENETICS OF RACE (McGH)

**c** 30 minutes **B&W: \$6.50**  
Narrator—Th. Dobzhansky. It is misleading to use phenotypic averages to define races, and is best to characterize races on the basis of genotypic differences. This is illustrated using the world distribution of ABO blood group genes for man, and the frequencies of different gene arrangements in *Drosophila pseudo-obscura* in different parts of southwestern United States. The species as a whole reaches maximal fitness through the formation of different races each of which is adapted to its particular environment. While different races of a species are usually allopatric, some may be sympatric (man, domesticated plants, and animals). Correlated with the McGraw-Hill text, *Principles of Genetics*.

#### PRINCIPLES OF GENETICS: HEREDITY AND VARIATION (McGH)

**c** 30 minutes **B&W: \$6.50**  
Narrator—L. C. Dunn. Genetics is concerned with the origin and nature of heredity and variation. The meaning of these terms is discussed, as is also the cellular bridge between generations over which the hereditary material passes. The chief branches of classical genetics are introduced and their aims briefly described. Variation arises from the action of heredity and of environment. This is illustrated with Johannsen's experiments with beans, and examples of hereditary variation in the rabbit, mouse, and pigeon are given. Correlated with the McGraw-Hill text, *Principles of Genetics*.

#### PRINCIPLES OF GENETICS: HUMAN TRAITS SHOWING SIMPLE MENDELIAN INHERITANCE (McGH)

**c** 30 minutes **B&W: \$6.50**  
Narrator—L. C. Dunn. The inability to experiment with human beings requires the use of special methods to detect traits based primarily upon a single pair of segregating genes. The pedigree method is used to study albinism, hypotrichosis, woolly hair, and ataxias. The family method is used to study MN, ABO, and other blood groups; the population method is employed in a discussion of thalassemia. The number of human traits exhibiting segregation increases daily. Correlated with the McGraw-Hill text, *Principles of Genetics*.

#### PRINCIPLES OF GENETICS: INBREEDING AND HETEROSIS (McGH)

**c** 30 minutes **B&W: \$6.50**  
Narrator—J. F. Crow. The Hardy-Weinberg law assumes random mating and is applied to a study of phenylketonuria. Assortive mating and inbreeding are departures from random mating. The effect is discussed of various levels of inbreeding (self-fertilization, sib matings, half-sib matings, cousin marriages) upon making heterozygous genes homozygous with the



consequent loss of vigor. Data are presented for the increased risk of genetic defect from cousin marriage in studies of phenylketonuria, of a Japanese, and of a French population, and the concept and estimation of lethal equivalents is given. Increase in heterozygosity increases vigor (heterosis); hybrid vigor in corn is described in detail. Correlated with the McGraw-Hill text, *Principles of Genetics*.

#### PRINCIPLES OF GENETICS: INDEPENDENT SEGREGATION (McGH)

**c** 30 minutes **B&W: \$6.50**  
Narrator—E. Algenburg. Independent segregation (independent assortment) by different pairs of genes is demonstrated using Mendel's data, and special emphasis is placed upon the chromosomal activities during meiosis which are responsible for the genetic observations. Both the Punnett square and the branching track methods of combining gametes at random are described and used. Test (black) crosses and linkage (as the exception to independent segregation) are discussed. Independent segregation proves the separability of the germ plasma into many gene pairs. The process of evolution is speeded up by genetic recombination. Correlated with the McGraw-Hill text, *Principles of Genetics*.

#### PRINCIPLES OF GENETICS: INTERSPECIFIC HYBRIDIZATION AND ITS CONSEQUENCES (McGH)

**c** 30 minutes **B&W: \$6.50**  
Narrator—G. L. Stebbins. Natural selection can aid reproductive isolation directly or indirectly. Reproductive isolation may originate through interspecific hybridization, via amphyploidy (radish-cabbage, new world cottons, goatsbeard species) by means of introgression (tobacco, rose family, maize-teosinte) and the direct recombination of the products of crossing and the establishment of recombinations (larkspur). Hybridization can be a powerful stimulus in species formation and an experimental tool for the study of the genetic basis for species differences. Correlated with the McGraw-Hill text, *Principles of Genetics*.

#### PRINCIPLES OF GENETICS: LINKAGE (McGH)

**c** 30 minutes **B&W: \$6.50**  
Narrator—G. W. Beadle. Symbols for genotypes have undergone an evolution. Examples are given of results in the garden pea, sweet pea, *Drosophila* and man in which different pairs of genes fail to segregate independently and, therefore, are linked. When linkage is incomplete, new genetic combinations are the result of crossingover, the proportion of old to new combinations varying considerably. A calculation is made of Mendel's chance of not discovering linkage. Correlated with the McGraw-Hill text, *Principles of Genetics*.

#### PRINCIPLES OF GENETICS: MEIOSIS (McGH)

**c** 30 minutes **B&W: \$6.50**  
Narrator—R. E. Cleland. The problem of the constancy of genes and chromosomes in successive sexual generation is presented. The details of the two meiotic divisions are illustrated by excellent photographs of this process in lily (Cleland) and in maize (Rhoades). Chiasmata are discussed; meiosis and mitosis are compared. It is shown how meiosis provides a physical basis for Mendel's laws of segregation and independent segregation (independent assortment). Correlated with the McGraw-Hill text, *Principles of Genetics*.

#### PRINCIPLES OF GENETICS: MENDEL'S PROOF OF THE EXISTENCE OF GENES (McGH)

**c** 30 minutes **B&W: \$6.50**  
Narrator—L. C. Dunn. The reasons for Mendel's success in discovering the units of heredity, genes, and the law of segregation are given. His experimental design, results, and analysis of the data in terms of genes are presented. Mendel's brilliant use of the scientific method is discussed. The consequences of segregation for self-fertilizing and cross-breeding populations are described briefly. Correlated with the McGraw-Hill text, *Principles of Genetics*.

#### PRINCIPLES OF GENETICS: MITOSIS (McGH)

**c** 30 minutes **B&W: \$6.50**  
Narrator—R. E. Cleland. The view of the chromosome as the physical basis of hereditary material can be obtained from the study of mitosis, indirect nuclear division. The process is described first using photographs and drawings of these, and finally is illustrated by Dr. Bajer's now-famous motion pictures of this process as seen under the phase contrast microscope. Correlated with the McGraw-Hill text, *Principles of Genetics*.

#### PRINCIPLES OF GENETICS: MULTIPLE FACTOR INHERITANCE (McGH)

**c** 30 minutes **B&W: \$6.50**  
Narrator—J. F. Crow. The characteristics of continuous traits are described and compared with those of discontinuous traits.

The genetic basis for and transmission properties of continuous (multiple factor, multigenic, polygenic) traits are derived from model studies of discontinuous traits. The polygenic nature of DDT resistance in *Drosophila*, the effect of dominance in producing regression, the progress of selection for a quantitative trait, and the concept of heritability are discussed. Correlated with the McGraw-Hill text, *Principles of Genetics*.

#### PRINCIPLES OF GENETICS: MUTAGEN-INDUCED GENE MUTATION (McGH)

**c** 30 minutes **B&W: \$6.50**  
Narrator—H. J. Muller. High energy radiations produce chemical effects by means of ionization. Ions can produce mutation. The measurement of X-ray dose in roentgens and the dose required to double the spontaneous mutation rate in *Drosophila* and mice are discussed. Radiation-induced and spontaneous mutations are similar. The magnitude and meaning of permissible doses of high-energy radiation are discussed. Other mutagenic agents (ultraviolet light and chemical substances) are discussed, concluding with comments on the importance of gene mutation in the present and the future. Correlated with the McGraw-Hill text, *Principles of Genetics*.

#### PRINCIPLES OF GENETICS: NUCLEO-CYTOPLASMIC RELATIONS IN PARAMECIUM (McGH)

**c** 30 minutes **B&W: \$6.50**  
Narrator—T. M. Sonneborn. First sexual reproduction and then sexual activity in which the cytoplasm of the conjugants do or don't mix are described (illustrated with motion pictures). Three examples of cytoplasmic heredity are discussed in detail, each demonstrated by means of motion pictures: killers and sensitives, serotypes, and mating types. The nucleo-cytoplasmic relations involved and their relation to nuclear and developmental differentiation in other organisms are discussed. Correlated with the McGraw-Hill text, *Principles of Genetics*.

#### PRINCIPLES OF GENETICS: ORIGIN OF SPECIES (McGH)

**c** 30 minutes **B&W: \$6.50**  
Narrator—G. L. Stebbins. The nature of species is discussed and the essential role that reproductive isolating mechanisms have in their origin is explained. In nature, a number of reproductive isolating barriers are utilized (ecological, seasonal, sexual, hybrid inviability, hybrid sterility). Any particular barrier has a multiple genic or chromosomal basis. Any two species are separated via a number of reproductive barriers. Morphology is not necessarily well correlated with reproductive isolation. Correlated with the McGraw-Hill text, *Principles of Genetics*.

#### PRINCIPLES OF GENETICS: PLEIOTROPISM, PENETRANCE, AND EXPRESSIVITY (McGH)

**c** 30 minutes **B&W: \$6.50**  
Narrator—C. Stern. The multiple phenotypic effects a gene may have called pleiotropism, are illustrated with example from mice, *Drosophila*, rabbits, and man. The case of sickle cell anemia in man demonstrates a pedigree of causes which starts with a gene producing an abnormal hemoglobin. The suitability of the one gene-one primary action hypothesis is discussed. Penetrance and expressivity of genes are defined and discussed in detail from the polydactyly (extra digits) trait in man. Factors involved in their variability are described using examples from humans, mice, and *Drosophila*. Correlated with the McGraw-Hill text, *Principles of Genetics*.

#### PRINCIPLES OF GENETICS: PSEUDOALLELISM (McGH)

**c** 30 minutes **B&W: \$6.50**  
Narrator—E. B. Lewis. There are limitations in defining genes as units of function which are overcome by studying their transmission behavior. The latter studies permit classification of genes relative to each other as being allelic, nonallelic, or pseudoallelic. The *Drosophila* experiments proving pseudoallelism for apricot and white and the cis-trans position effects are described in detail. Cases of pseudoallelism in other organisms are mentioned; details are given of another pseudoallelic series in *Drosophila*, involving the halteres. Models are presented to explain cis-trans position effects, and the origin and evolution of pseudoalleles is discussed. Correlated with the McGraw-Hill text, *Principles of Genetics*.

#### PRINCIPLES OF GENETICS: SELECTION, GENETIC DEATH AND GENETIC RADIATION DAMAGE (McGH)

**c** 30 minutes **B&W: \$6.50**  
Narrator—Th. Dobzhansky. The frequency of a mutant in the gene pool reaches an equilibrium when, per generation, its origination by mutation equals its elimination by genetic death. Genetic death is discussed in detail, as are examples of how genetic loads are changed subsequent to radiation exposure. While it is generally agreed the majority of mutants are harmful when homozygous, more evidence is needed upon the bene-



ficial and detrimental effects of mutants when heterozygous. In the case of sickle cell anemia, heterozygotes are adaptively superior to normal homozygotes. This makes for balanced polymorphism, by which a gene is retained in the population despite its lethality when homozygous because of the advantage it confers when heterozygous. Correlated with the McGraw-Hill text, *Principles of Genetics*.

#### PRINCIPLES OF GENETICS: SEX DETERMINATION I (McGH)

c 30 minutes B&W: \$6.50

Narrator—C. Stern. In some organisms it is the environment in which a given genotype functions that determines whether differentiation shall occur as male or female. This is exemplified by sex determination in certain snails, mosses, and worms. In other organisms a difference in genetic constitution is primarily responsible for sex determination, as discussed for a unicellular plant (*Chlamydomonas*), certain grasshoppers, *Drosophila*, man, and mouse. Considerable discussion is given to the genetic basis for sex mosaics (gynandromorphs). Correlated with the McGraw-Hill text, *Principles of Genetics*.

#### PRINCIPLES OF GENETICS: SEX DETERMINATION II (McGH)

c 30 minutes B&W: \$6.50

Narrator—C. Stern. When sex is determined by genotypic differences, a single gene may be responsible for a shift in sex type. However, sex is a polygenic trait and may be considered to be determined by the balance of genes on different chromosomes. This view is substantiated by the work of R. Goldschmidt on the gypsy moth and its intersexes, and is most clearly demonstrated in Bridges' studies of different sex types in *Drosophila*. Sex determination and the role of hormones in sex differentiation are discussed in the case of man. The human sex ratio and the cause of significant deviations in it from normality, and the possibility of controlling sex by separating male and female producing sperm are also discussed. Correlated with the McGraw-Hill text, *Principles of Genetics*.

#### PRINCIPLES OF GENETICS: SEX-LINKED INHERITANCE (McGH)

c 30 minutes B&W: \$6.50

Narrator—C. Stern. Typical autosomal inheritance is contrasted with sex-linked inheritance: colorblindness in man and white eye in *Drosophila*, as studied by Wilson and Morgan, are discussed as examples of sex-linkage. Sex-linkage in birds and moths is described also. Sex-linkage supports the chromosomal theory of inheritance. This theory receives additional strong support from the study of non-disjunction (the exception to the exception of linkage) in the brilliant work, presented in detail, of Bridges. Correlated with the McGraw-Hill text, *Principles of Genetics*.

#### PRINCIPLES OF GENETICS: "SPONTANEOUS" GENE MUTATION (McGH)

c 30 minutes B&W: \$6.50

Narrator—H. J. Muller. The importance and characteristics of gene (point) mutations are discussed. The detrimental nature of most mutations and their incomplete recessivity are of particular note. Changes in gene dosage give information on how mutants act to produce phenotypes. The per cell and per locus spontaneous mutation rates for gametes of *Drosophila*, mice, and man are discussed. Factors affecting spontaneous mutation rate include aging effects, natural selection, mutator genes, temperature, and detrimental conditions in general. Evidence is presented that some mutations occur in the old gene. Correlated with the McGraw-Hill text, *Principles of Genetics*.

#### PRINCIPLES OF GENETICS: STRUCTURAL CHANGES IN CHROMOSOMES I (McGH)

c 30 minutes B&W: \$6.50

Narrator—H. J. Muller. The production and consequences of structural changes in chromosomes are described. Besides reviewing the consequences of a single break, two breaks in the same chromosome (leading to paracentric and pericentric deficiency, duplications, and inversions) two breaks in two chromosomes (leading to eucentric and anacentric reciprocal and half-translocations) and the consequences of three breaks (leading to shifts and transpositions) are discussed in detail. The increase in gene number that may result following breakage is particularly important in evolution. Correlated with the McGraw-Hill text, *Principles of Genetics*.

#### PRINCIPLES OF GENETICS: STRUCTURAL CHANGES IN CHROMOSOMES II (McGH)

c 30 minutes B&W: \$6.50

Narrator—H. J. Muller. Structural changes have taught us to understand how the different chromosome configurations in various *Drosophila* species have come about, especially through

whole-arm translocations and pericentric inversions. Because of structural changes a number of discoveries were made possible with regard to gene arrangement, the centromere, telomeres, heterochromatin, gene dosage changes, and position effects. The number and consequences of induced structural changes depend upon the type of tissue treated and the dose and rate of radiation exposure. Correlated with the McGraw-Hill text, *Principles of Genetics*.

#### PRINCIPLES OF GENETICS: TWINS, NATURE AND NURTURE (McGH)

c 30 minutes B&W: \$6.50

Narrator—C. Stern. Twins provide natural experiments for determining the relative contribution of nature (heredity) and nurture (environment) in the production of traits. The embryological basis and means of identification of monozygotic and dizygotic twins are presented. The nature-nurture basis of a number of physical and mental traits, including test intelligence, is discussed, using concordance-discordance values and other methods of analysis. Correlated with the McGraw-Hill text, *Principles of Genetics*.

#### PRINCIPLES OF GENETICS: VARIEGATED PERICARP, AN UNSTABLE ALLELE IN MAIZE (McGH)

c 30 minutes B&W: \$6.50

Narrator—R. A. Brink. A medium variegated pericarp parent has about 10% of offspring that are mutant. R. A. Emerson's earlier genetic explanation is revised to account for the two complementary types of mutants which appear simultaneously when medium variegated mutates. The new genetic hypothesis for pericarp variegation involves the transposition of a genetic element from one place in the genome to another, just as McClintock found. Explains other cases of unstable alleles in maize. The transposable locus is called Modulator, and experiments revealing its properties are discussed. Similar transposable loci may explain unstable genes in other organisms. Correlated with the McGraw-Hill text, *Principles of Genetics*.

#### PRINCIPLES OF GENETICS: VIRUS GENETICS: BACTERIOPHAGE (McGH)

c 30 minutes B&W: \$6.50

Narrator—J. Lederberg. The number of nucleotide units (n'ts) per genome are presented and discussed for mice, *Drosophila*, bacteria, bacteriophages and even smaller viruses. Bacteriophage structure and the lytic cycle of phage are described, and methods for assaying phage are presented. Genetic recombination occurs between different phage mutants infecting the same host cell. Benzer's studies of recombination in phage T4 indicate that the genetic unit of recombination (recon) equals the smallest meaningful chemical unit—the interval between two successive n'ts. Benzer also found phage mutants growing in the same bacterium may show phenotypic interaction. He was able to demonstrate the linear order of the n'ts in a cistron. Correlated with the McGraw-Hill text, *Principles of Genetics*.

#### PRINCIPLES OF GENETICS: VIRUS GENETICS: PLANT AND ANIMAL VIRUSES (McGH)

c 30 minutes B&W: \$6.50

Narrator—J. Lederberg. Methods of determining an infective unit of plant or animal viruses are discussed and evaluated. The life cycle of the influenza virus in the mammalian host cell is described as representative. Mixed infections can produce phenotypic mixing, heterozygosis, or true genetic recombination (in influenza and vaccinia viruses). The protein and nucleic acid components of virus are separable. Isolated RNA is infective (in tobacco and mammalian cells) and probably DNA (from phage) is also, demonstrating that virus protein plays no part in replication either of the genetic material or of itself. This is also true in the reconstitution experiments with tobacco mosaic virus. Biologically-active nucleic acids have not yet been synthesized in the laboratory. Correlated with the McGraw-Hill text, *Principles of Genetics*.

#### PRINCIPLES OF HOME CANNING (EB)

j-h-c 11 minutes B&W: \$2.15

The importance of selecting choice, garden-fresh foods for best results in home canning is emphasized. Causes of food spoilage by molds, yeast, and bacteria are explained, and are illustrated by microphotography. Four types of jars are fully demonstrated. The need of using only perfect jars and closures is stressed. The film concludes with proper storage of food for future use—food preserved with a maximum of its original flavor and nutritive value.

#### PRINCIPLES OF IONIZATION (CHEMISTRY LAB. SERIES) (C)

h-c 13½ minutes Color: \$4.50

The effects of different types of solutes on the boiling point of water are shown; next the electrical conductivity or lack of



conductivity of these solutions is demonstrated, and the results are correlated. The importance of the choice of solvent is shown. Ion migration during electrolysis is demonstrated, using a solution containing a mixture of copper sulfate and potassium dichromate.

### PRINCIPLES OF LUBRICATION (USOE)

**c-a** 16 minutes **B&W: \$2.90**  
The principles of lubrication are emphasized. Explains the properties, action, and viscosity of lubricants as well as conditions that determine proper viscosity.

### PRINCIPLES OF NUCLEAR FISSION (ADVANCED SCIENCE SERIES) (McGH)

**h-c** 10 minutes **Color: \$3.90**  
Shows the relation of the atom's basic particles—electrons, protons, and neutrons.

### PRINCIPLES OF REFRIGERATION (KB)

**h-c** 11 minutes **B&W: \$2.15**  
Deals with the discovery and development of refrigeration—shows the application of its principles in commercial and household uses for the preservation of food.

### PRINCIPLES OF SCALE DRAWING (C)

**j-h** 11 minutes **B&W: \$2.15**  
This film solves basic problems in the skills and interpretation of scale drawing. Determining scale, using measuring and scaling tools, understanding terms, and the vital importance of scale drawing in modern industry are concepts and techniques applied.

### PRINCIPLES OF THE TRANSISTOR (ADVANCED SCIENCE SERIES) (McGH)

**h-c** 21 minutes **B&W: \$4.50**  
Gives a detailed explanation of how the germanium diode and the transistor function.

### PRINCIPLES OF ULTRASONICS (McGH)

**h-c** 18 minutes **B&W: \$3.40**  
Depicts the relation and range of sonic and ultrasonic waves. Shows how these waves are detected and various types of wave generators which can be used to propagate them: loud-speaker, magneto-strictor and crystal transducer. The properties of ultrasonic waves and the uses to which they can be applied are also explored.

### PRINT WITH A BRAYER (BFS)

**i-j-h-c-a** 9 minutes **Color: \$2.90**  
Introduces and demonstrates a new art technique of making prints by the gelatin brayer or roller. Stimulates ideas for original designs, experimentation and variations in the process. Encourages the practical as well as the decorative uses of this method of creative printing.

### PRINTING (VGF)

**j-h-c** 9 minutes **B&W: \$2.15**  
Illustrates the opportunities and training available in the field of printing. Hand typesetting, bindery, display, linotype and monotype, make-up, and layout are illustrated. Shows the activities of the proofreaders, pressmen, etc.

### PRINTING (MILESTONES IN WRITING) (USC)

**h-c-a** 10 minutes **Color: \$3.40**  
The invention of the printing press by Gutenberg revolutionized the communication ideas of the day. Dr. Frank Baxter explains that by the use of woodcuts and moveable type, the printed page was made available for the masses. He explains in detail the workings of a small press which prints from a prepared woodcut.

### PRINTING THE POSITIVE (FUNDAMENTALS OF PHOTOGRAPHY SERIES) (UW)

**j-h-c-a** 18 minutes **B&W: \$2.65**  
Illustrates the basic fundamentals of developing the still print.

### PRINTING THROUGH THE AGES (EB)

**i-j-h** 14 minutes **B&W: \$3.15**  
Printing from ancient times to the present. Shows early methods of reproducing pictures by means of wood blocks and depicts the transition from printing of pictures to printing of letters. Illustrates Gutenberg's contributions to printing, and the evolution of modern type face. Concludes with scenes of modern book and newspaper presses in operation.

### PRIZE CALF (UW)

**i-j-h** 6 minutes **B&W: \$1.50**  
Preparing a prize calf for showing at a fair. Care and feeding is emphasized as well as basic ideas in bathing and grooming.

### PROBLEM CHILDREN (ODMH)

**c-a** 20 minutes **B&W: \$3.15**  
A story of two problem children of junior high school age and how their personalities are affected by their home and school environments. Illustrates how parents and teachers should work together to adjust their educational program and improve home conditions in order to help the two boys to take their proper places in society.

### PROBLEM DRINKERS (McGH)

**h-c-a** 19 minutes **B&W: \$3.55**  
Takes you step-by-step through an alcoholic's downfall and his rehabilitation. Tells what has been done by such organizations as Alcoholics Anonymous, the Research Council of Problems of Alcohol and the Yale School of Alcohol Studies to control alcoholism and have it recognized as a disease.

### PROBLEM METHODS: PART I: DEFINING THE PROBLEM AND GATHERING INFORMATION (McGH)

**h-c-a** 18 minutes **B&W: \$4.35**  
High school students under the guidance of the teacher discuss their opinions on pressure groups in a democracy. They weigh, accept, or reject each other's ideas. The principles and techniques of gathering and organizing information on the problem are displayed.

### PROBLEM METHODS: PART II: USING INFORMATION TO SOLVE THE PROBLEM (McGH)

**h-c-a** 15 minutes **B&W: \$4.05**  
Part I is briefly summarized. The class examines and analyzes the issue of pressure groups. Hypotheses are suggested which will help to arrive at conclusions. Students learn to face their problems intelligently by using knowledges gained from these films.

### PROBLEM OF PUPIL ADJUSTMENT: FRUSTRATED STUDENT—THE DROP OUT (McGH)

**j-h-a** 19 minutes **B&W: \$4.25**  
Examines the causes which lie behind many adolescents' quitting school as soon as the law permits. Reveals the frustration of natural interests in a school situation that bears no relations to everyday life. Restates the principle that school must provide a life-adjustment program that offers each child a chance to grow.

### PROBLEM OF PUPIL ADJUSTMENT: FRUSTRATED STUDENT—THE STAY IN (McGH)

**j-h-a** 18 minutes **B&W: \$4.15**  
By enlarging on the theme stated in the DROP OUT, this film demonstrates that the school curriculum, oriented in terms of growth of the whole child, instead of in terms of subject matter, contributes to a child's physical, emotional, and mental maturity.

### PROBLEMS OF CITY DRIVING (PRP)

**h-c-a** 9 minutes **B&W: \$2.15**  
Shows safe methods of driving in the heavy traffic of urban areas; correct procedure of entering street from private drive-ways; safety zones and pedestrian hazards; who has the right-of-way at various types of intersections; emergency vehicle right-of-way; and many other examples of heavy traffic hazards.

### PROBLEMS OF FLIGHT: AERODYNAMICS SERIES (CAA)

**j-h-c** 11 minutes **B&W: \$2.15**  
Explains and illustrates major principles of flight maneuvers. Clearly demonstrates manipulation of plane's controls while taking off, climbing, banking, stalling, spinning, diving, gliding, and landing. Contrasts correct and incorrect techniques of various maneuvers with special emphasis on gliding and landing. Animated drawings superimposed over natural photography clarify explanation of forces acting upon plane during flight.

### PRODUCT DEVELOPMENT (INDUSTRIAL ORGANIZATION AND MANAGEMENT) (McGH)

**c-a** 11 minutes **B&W: \$2.15**  
Film considers 1) the role of research in improving materials, processes, and products, 2) the qualifications for acceptable product ideas, such as production requirements in relation to existing facilities, and 3) aspects of product engineering.



## PRODUCTION CONTROL, PART I (INDUSTRIAL ORGANIZATION AND MANAGEMENT) (McGH)

c-a 10 minutes B&W: \$2.15

The systematic procedure by which management regulates production output to meet fluctuating product requirements of the company's sales efforts consists of four main steps: routing, scheduling, dispatching, and follow-up. The film demonstrates the basic approach and techniques of the methods analyzer in studying the manufacturing cycle and indicates methods of gaining employee cooperation.

## PRODUCTION CONTROL, PART II (INDUSTRIAL ORGANIZATION AND MANAGEMENT) (McGH)

c-a 10 minutes B&W: \$2.15

The three final steps in production control—scheduling, dispatching, and follow-up—demonstrate the use of the master schedule and of the shop schedule, and show dispatching in both centralized and decentralized forms.

## PRODUCTION 5118 (WPP)

j-h-c-a 30 minutes Color: \$7.90

Dramatizes incidents to provoke discussion of the problems of human communication—of understanding oneself, of being understood, and of understanding others.

## PRODUCTION OF FOODS (EB)

j-h-c 11 minutes B&W: \$2.15

Animation depicts role of land in production of foods, influence of food production methods, and the relation of animal food to plant food.

## PRODUCTIVITY—KEY TO PLENTY (EB)

j-h 22 minutes B&W: \$4.15

Explains how we in America have achieved a standard of living unequalled anywhere else in the world. Warns that continued prosperity depends on our uninterrupted technological progress and on our full use of the basic sources of power.

## PROEM (AFF)

c-a 9 minutes Color: \$4.60

An allegory in eight scenes, containing both impressions and abstractions of the themes: "The Euculidian Rook," "A Quixotic Interlude," "A Catholic Fable," "Sex and Such," "The Great Dictator," "Power Politics," "Mobilization," and "Denouement." Modeling clay is used as the animating medium.

## PROFILE OF A PROBLEM DRINKER (McGH)

c-a 27 minutes B&W: \$5.65

An absorbing portrayal of the causes and effects of liquor in the life of a young architect. Analyzes some of the reasons which may lead a person into problem drinking.

## PROFILES OF ELEMENTARY PHYSICAL EDUCATION (C)

c-a 34 minutes B&W: \$6.45

Stresses successful methods used in teaching physical education in kindergarten through the elementary grades. It urges careful organization and presents many ideas for the guidance of class activities.

## PROGRESS AND PROMISE (AVA)

c-a 20 minutes Color: \$5.15

The story of the American Vocational Association—its growth, its organization into committees and their responsibilities, and the benefits to be derived from membership in the national organization.

## PROGRESS REPORT ON PAKISTAN (MOT)

j-h-c-a 25 minutes B&W: \$5.15

Discusses the development of Pakistan in the first five and a half years of its existence. Surveys the industrial and construction programs. Examines the problem of Kashmir, an area claimed by both Pakistan and India.

## PROGRESSIVE WAVES: PHYSICS SERIES (McGH)

c-a 9 minutes B&W: \$2.15

Basic wave motion is analyzed for its principles. Explains a demonstration of transverse progressive and longitudinal waves.

## PROJECTING IDEAS ON THE OVERHEAD PROJECTOR (UIO)

h-c-a 14½ minutes Color: \$4.70

Outlines the advantages of the overhead projector as a visual aid to learning in classrooms, in business, and industry. Shows the great variety of uses of the equipment.

## PROJECTING MOTION PICTURES (UC)

j-h-c-a 10 minutes B&W: \$2.15

Designed for use in training student projectionists of 16mm films. A knowledge of threading, operating controls, and cleaning of equipment is presupposed.

## PROMENADE ALL—WESTERN SQUARE DANCING (GA)

h-c-a 9 minutes B&W: \$2.15

Includes 18 or more different figures of popular and exhibition squares. Produced with the cooperation of the Folk Dancing Federation of California and its member clubs.

## PROMISE OF PAKISTAN (MOT)

j-h-c-a 17 minutes B&W: \$3.75

On August 15, 1947, the new nation of Pakistan was created. We see lumbering caravans moving slowly through Khyber Pass, modern airliners landing at Karachi Airport, visit great modern newspaper plants, and observe religious customs dating back thousands of years.

## PROMISE OF THE LIFE SCIENCES: BIOLOGICAL TRANSFORMATION OF ENERGY (USDA)

h-c 54 minutes B&W: \$2.15

Dr. A. Szent-Gyorgyi, Woods Hole Marine Biological Laboratory, tells of progress in research to find how life uses electronic energy from the sun to build and drive living systems.

## PROMISE OF THE LIFE SCIENCES: GENETICS (USDA)

h-c 53 minutes B&W: \$2.15

Dr. George Beadle, Chancellor of the University of Chicago, reports on the recent advances in our understanding of how all living creatures transmit biological specifications to their offspring.

## PROMISE OF THE LIFE SCIENCES: FINE STRUCTURE AND PATTERN OF LIVING THINGS (USDA)

h-c 59 minutes B&W: \$2.15

Paul Weiss of the Rockefeller Institute discusses new understanding of the organization of living systems into primary patterns and the changes and distortions that come with ordinary growth.

## PROMISE OF THE LIFE SCIENCES: NUTRITION—THE CHEMISTRY OF LIFE (USDA)

h-c 58 minutes B&W: \$2.15

Jean Mayer, School of Public Health, Harvard University, tells of the search to discover what regulates normal appetites and the causes of obesity.

## PROMISE OF THE LIFE SCIENCES: THE ORGANISM AND THE ENVIRONMENT (USDA)

h-c 57 minutes B&W: \$2.15

Arthur D. Hasler of the University of Wisconsin points out recent advances in our understanding of interaction in nature as shown by the distribution of plants, competition between populations of beetles, and the migration of fishes.

## PRONOMBRES PERSONALES—SPANISH INSTRUCTO-FILM NO. 5 (ALT)

h-c 15 minutes B&W: \$3.00

Learning and practicing the following essential pronouns: (*Who?*) Subject: *I, you, etc.*; (*For Whom?*) Prepositional: *for me, with you, etc.*; (*Whom?*) Direct Object: *for me, with you, etc.*; (*To Whom?*) Indirect Object: *to me, to you, etc.*; Direct and Indirect: *it to me, it to you, etc.*; Reflective: *myself, yourself, etc.*; Reciprocal: *one another, each other*; Impersonal: *one, they, people.*

## PRONUNCIACION Y ACENTUACION—SPANISH INSTRUCTO-FILM NO. 1 (ALT)

h-c 12 minutes B&W: \$4.00

The objective of this film is to teach to pronounce and stress correctly all Spanish words. For motivation the students are reminded of the importance of the language and shown simple maps of Spain and Latin America. The small difference between Castilian and Latin American pronunciation are explained, but the instructor adheres to the latter. The names of countries and cities serve as examples for pronunciation, and the names of outstanding people in history, letters and art are used to illustrate the rules for stressing.



**PROPAGANDA TECHNIQUES (C)****j-h-c** 11 minutes **B&W: \$2.15**

Chuck would like to know whether the election was really "a victory for good government" or just a victory for propaganda. Teaches the methods of recognizing and evaluating propaganda, and also encourages a judicious, critical attitude.

**PROPER STEPS (ASF)****j-h-c-a** 10 minutes **B&W: \$2.15**

Offers suggestions on how to avoid foot trouble, and points out common foot abuses and errors in walking habits.

**PROPERTIES OF ACIDS, BASES AND SALTS (CHEMISTRY LAB. SERIES) (C)****h-c** 28 minutes **Color: \$8.25**

The conventional properties of solutions of acids and bases are illustrated and tests for these types of compounds are developed. Several reactions are then considered, among them the reaction between calcium oxide and water, zinc oxide and water, and sulfur dioxide and water. The formation of salts in several different types of reactions is demonstrated. Equations for the reactions involved above are derived and discussed.

**PROPERTIES OF AIR: AERODYNAMICS SERIES (CAA)****j-h-c** 6 minutes **B&W: \$2.15**

This film is divided into two parts. The first one demonstrates that air possesses sufficient mass to support certain objects. The second part consists of demonstrations of weight of air.

**PROPERTIES OF GASES (JR. SCIENCE SERIES) (McGH)****j** 13 minutes **B&W: \$2.60**

Harmless experiments with gases answer questions concerning weight, pressure, and temperature.

**PROPERTIES OF LIQUIDS (JR. SCIENCE SERIES) (McGH)****j** 13 minutes **B&W: \$2.60**

Experiments with liquids explain their properties.

**PROPERTIES OF SOLUTIONS (CHEMISTRY LAB. SERIES) (C)****h-c** 28 minutes **Color: \$8.25**

The natures of solutes and solvents in the preparation of solutions are demonstrated. Solutions of slightly soluble substances, factors influencing the solution of one liquid in another, and the effect of temperature on the solubility of a solute are taken up. Supersaturation and the principle of extraction are discussed and demonstrated.

**PROPERTIES OF TRIANGLES (KB)****h-c** 14 minutes **B&W: \$2.65**

The practical importance of the rigidity of the triangle is illustrated by comparing the strength of triangles with the strength of nonrigid figures. Animated treatments of the angle bisectors theorem, the perpendicular bisectors theorem, the altitudes theorem and the medians theorem follow. The merging of lines and points when a triangle becomes equilateral is shown.

**PROPERTIES OF WATER (C)****j-h** 10 minutes **B&W: \$2.15**

Demonstrates experiments with electrolysis, boiling and freezing points, distillation, solutions, crystallization, filtration, pressure cookery, and analyzes the properties of water.

**PROPERTY TAXATION (EB)****j-h-c** 10 minutes **B&W: \$2.15**

Explains what property taxation is and why it is necessary. Portrays the types of government expenditures supported by such taxes, public financing through bond issues, and procedures of levying taxes. Explanations are made clear by the use of computations in animation.

**PROPHET WITHOUT HONOR (TFC)****j-h-c-a** 10 minutes **B&W: \$1.90**

A biographical description of the work of Admiral Maury, whose studies led to the establishment of the U. S. Weather Bureau is given. *Restricted to Classroom Use.*

**PROPORTION AT WORK (IFB)****j-h** 12 minutes **Color: \$3.80**

In this film, a hydrobiologist must compute the population of a well-stocked trout pond, the total area of the pond in square

acres and the number of trout per acre. We learn that a ratio is a fraction that shows the relationship of one number to another, how it may be stated in symbols and how to express a fraction as a ratio. In each of the problems two equal ratios are set up as a proportion, the lowest common denominator is found and all reducible terms are simplified by cancellation. Also following the principle that "the product of the means is equal to the product of the extremes," the scientist cross multiplies and simplifies the equation by division.

**PROSPECTING FOR PETROLEUM (SOC)****general** 22 minutes **Color: \$2.15**

Puppets show how the crude methods of early oil prospectors have been replaced by highly sensitive instruments.

**PROTECT YOUR BIRDS (LFI)****p-i** 6 minutes **B&W: \$1.50**

Birds are shown in their natural habitats. As part of the nature study, bird calls are given.

**PROTECTIVE TARIFF VS. FREE TRADE (McGH)****h-c-a** 26 minutes **B&W: \$5.10**

The age-old problem of tariff vs. free trade between American and foreign imports is discussed in this film. Representatives of a Swiss watch manufacturing company and an American watch company express their views about America's recently increased tariff on imported watch works.

**PROTOPLASM: BEGINNING OF LIFE (BR)****c-a** 8 minutes **B&W: \$2.15**

Depicts the earliest forms of life as revealed through geology, showing characteristics of living things—movement, irritability, assimilation, and reproduction. Shows that through reproduction the race of a species lives on.

**PROTOZOA (ONE-CELLED ANIMALS) (EB)****h-c** 10 minutes **B&W: \$2.15, Color: \$3.80**

An intimate close-up exploration of the world of one-celled animals. Identifies: pseudopods, flagelettes, and ciliates. Shows how they move, how they eat, and how they reproduce. Provides striking examples of symbiosis, parasitism, and colonial organizations. Employs unique camera techniques to examine phenomena that have rarely been captured on film.

**PROUD CITADEL (PIZ)****j-h-c-a** 17 minutes **Color: \$4.40**

A dramatic documentary on renaissance Florence from the dawning years of its cultural rebirth to its culmination in the early 16th century. The city, the vivid personalities of the time, the original masterpieces of art and all the authentic accessories of the period are shown to represent the historical and cultural life of Florence during the centuries of her pre-eminence.

**PROVE IT WITH A MAGNIFYING GLASS (FA)****p-i** 11 minutes **Color: \$3.60**

Designed as an introduction to the scientific method. Uses a child's first science experiences with a simple instrument (the magnifying glass) to illustrate the concept: prove it yourself.

**PROWLERS OF THE EVERGLADES (WDP)****general** 32 minutes **Color: \$10.15 1 day**

One of nature's strangest creatures—the alligator—stars in this detailed study of the inhabitants of the Everglades. Beautiful underwater photography reveals the stealthy alligator moving with lightning speed and grace among his neighbors, the wood ibis, cormorants, spoonbills, turtles and egrets. \$15.15—2 days; \$25.15—1 week.

**PSYCHOLOGY FOR LIVING SERIES: FACING REALITY (McGH)****j-h** 12 minutes **B&W: \$2.45**

Illustrates such common defense and escape mechanisms as rationalization, negativism, daydreaming, suppression, etc. Shows how a high school boy is the victim of negative social attitudes until his sympathetic teacher helps solve his problems.

**PSYCHOLOGY FOR LIVING SERIES: HABIT PATTERNS (McGH)****j-h** 14 minutes **B&W: \$3.85**

The behavior of two teenage girls is used in this film to illustrate how habits are formed. Contrasts one girl's social and personal advantages resulting from orderly and systematic daily habits with another girl's unhappy existence due to her unorganized and unpleasant habits.



## PSYCHOLOGY FOR LIVING SERIES: HEREDITY AND FAMILY ENVIRONMENT (McGH)

**h-c-a** 9 minutes **B&W: \$2.25**

A high school psychology instructor explains how heredity and environment blend together in life. Points out that although boundaries are set by heredity, one rarely reaches the limits of his capacities and that there is much room for growth.

## PSYCHOLOGY FOR LIVING SERIES: SUCCESSFUL SCHOLARSHIP (McGH)

**h-c-a** 10 minutes **B&W: \$2.45**

Shows how a girl, discouraged about her grades due to poor study habits and extracurricular activities, goes about working out a system of studying. This system which emphasizes a plan-place-method technique, requires regular hours for study, proper space and equipment, review and self-testing.

## PSYCHOLOGY FOR LIVING SERIES: TOWARD EMOTIONAL MATURITY (McGH)

**h-c-a** 10 minutes **B&W: \$2.25**

Illustrates an 18 year old girl facing a decision which involves her parents and a boy friend. By seeing how she decides, other adolescents will be able to understand and control their emotions better.

## P'TIT JEAN S'EN VA AUX CHANTIERS (IFB)

**j-h-c** 16 minutes **Color: \$5.30**

Tells the tale of the superhuman element exploits of P'tit Jean, hero of a French Canadian folk tale. P'tit Jean's feats at a Quebec lumbercamp dwarf those of the hardest lumberjack. The French, written and spoken by Roger Pillet, Ph.D. is appropriate for intermediate French classes.

## PUBLIC ENEMY NO. 1 (WCTU)

**h-c-a** 20 minutes **B&W: \$3.25**

Photographed against a panorama of Pacific Coast and mountain scenery, the film depicts a vacation taken by a doctor and his two sons. During the trip the doctor tells his sons about alcohol and the alcohol problem; how alcoholic beverages are made, advertised, and sold; their damaging effect on mind and body, and how the use of alcoholic beverages leads to ruined lives, broken homes, and to vice and crime.

## PUBLIC OPINION (EB)

**j-h-c-a** 10 minutes **B&W: \$2.15**

Portrays the nature and development of public opinion, the factors influencing it, and methods for measuring it. Illustrates public opinion in action in a community. Concludes that balanced reporting, free discussion, and expert opinion are essential to enlightened public opinion.

## PUBLIC OPINION IN OUR DEMOCRACY (C)

**j-h-c-a** 10 minutes **B&W: \$2.15**

The importance of public opinion and how it is formed on a significant community issue is shown. Students will learn the importance of their opinions and the obligation they have to express their opinions in terms of responsible action.

## PUBLIC RELATIONS (MOT)

**h-c-a** 17 minutes **B&W: \$3.15**

In the past twenty-five years a new profession has come into being—the practice of public relations. Good public relations in business has become of prime importance, and it is the public relations counselor who is charged with the task of maintaining sound interrelations of business, government, labor, and the public. Shows the value of good public relations between business, labor, government, and the public, and also the role of public relations personnel.

## PUBLIC SPEAKING: MOVEMENT AND GESTURE (C)

**j-h-c** 11 minutes **B&W: \$2.15, Color: \$3.40**

Helps beginning speakers appreciate the functions, values, and ways to study movement and gesture in speaking. Demonstrates the common techniques that are appropriate and effective, and suggests ways to develop ease and spontaneity of action.

## PUEBLO ARTS (UM)

**i-j-h-c-a** 11 minutes **Color: \$3.40**

Unique art expression among the Pueblos is a result of the use of soil and plaster. Primitive methods of moulding, coloring, and firing of pottery are part of the Pueblo art study.

## PUEBLO BOY (FMC)

**general** 24 minutes **Color: \$4.55**

Filmed in the heart of the Pueblo country near Albuquerque, New Mexico, this film shows the family life, education, work

and play of this early American people. Traditional dances form an outstanding feature of the film, which also is enhanced by an original music score. The highlight of the film is the annual Indian festival at Gallup, New Mexico.

## PUEBLO HERITAGE (AS)

**general** 22 minutes **Color: \$2.15**

Shows the background for the Pueblo culture in modern New Mexico by tracing this culture from pre-white man era to the present. The native Indians, their crafts of pottery and jewelry making. A tribal celebration at Gallup, in which the Taos, Zuni, and Acoma Indians participate.

## PULP AND PAPER FROM CANADA (NFBC)

**i-j-h** 22 minutes **B&W: \$4.45**

The film shows one of Canada's biggest industries from forest to finished paper. The cutters who bring down the giant trees of the West Coast, the lumberjacks of the Eastern bush-camps, are the beginning of the story as they bring down the trees and send it on its way to the mills. The process of turning the pulp into paper is explained.

## PUNCH AND JUDY (GA)

**general** 17 minutes **B&W: \$3.55**

Opens with a short demonstration of setting up and operating a hand puppet show, after which Mr. Punch tells a brief story of his history from the 17th century to the present. Then a show is presented in which Punch commits many murders and is finally eaten by an alligator.

## PUNCHES (PTC)

**j-h-c** 15 minutes **B&W: \$2.65**

Shows the correct use of this important tool in the machine shop.

## PUNCTUATION—MARK YOUR MEANING (C)

**i-j** 11 minutes **B&W: \$2.15**

Showing the puppet show, Tom and Beth find that, without punctuation, meanings become altered and the story cannot be understood. They stress the simple rules of punctuation and how essential it is to the meaning of our language.

## PUPPET FACES (BFS) (SILENT)

**j-h-c-a** 7 minutes **B&W: \$1.65**

Shows the detailed operations of making puppets with built-up features. Models of this type of puppet are shown in action to give the beginner an idea of the imaginative figures that may be created.

## PUPPETRY—STRINGED MARIONETTES (EB)

**j-h-c-a** 11 minutes **B&W: \$2.15**

Accompanies a little boy as he visits a puppeteer's workshop and shows the craftsman at work constructing one of the marionettes. Demonstrates the manipulation of marionette strings for the basic actions of walking, gesturing, nodding and sitting. Concludes with episode from Hansel and Gretel.

## PUPPY TROUBLE (USI)

**general** 22 minutes **B&W: \$2.80**

Care, feeding, and simple obedience training of puppies from 8 weeks to 8 months, including housebreaking, teaching a puppy to stay by himself, breaking the habit of barking, grooming, medical care, and how a puppy learns.

## PUP'S CHRISTMAS, THE (OF)

**p-i** 10 minutes **B&W: \$2.55**

Two little pups go on a rampage with the toys under the Christmas tree.

## PURITAN FAMILY OF EARLY NEW ENGLAND (C)

**p-i-j** 10 minutes **Color: \$3.40**

In this motion picture, filmed at authentic restorations, a Puritan family, living in a small New England coastal village, participates in many activities and chores—the children learn from a hornbook, dig clams, spin wool; the mother cooks cornbread, makes soap and candles; and the father hunts and dresses skins.

## PURITANS OF MASSACHUSETTS BAY (AUFCE)

**i-j-h-c-a** 22 minutes **B&W: \$3.75**

The life, customs, government, religion, education, homes, and occupations of the Puritans in Massachusetts about 1645. Characters are portrayed by costumed actors.

## PUSS IN BOOTS (UW)

**p-i** 7 minutes **Color: \$2.55**

The fair princess is held prisoner by a wicked ogre. A fighting cat beats the ogre.



**PUSSYCAT THAT RAN AWAY (BFS)**

p-i 21 minutes Color: \$6.65

Two little boys are spending the summer on a farm in Norway. One day Eric is unkind to Jan and as a result of the unkindness, Pusycat, who is Eric's pet, leaves the farm. During the search, Eric learns the importance of obeying his parents and of being kind to his brother. When Eric performs an unselfish act, the pet returns to the scene.

**PUTTING ANIMALS IN GROUPS (IFB)**

p-i 13 minutes Color: \$4.20

Shows and clearly explains the distinctive characteristics of mammals, birds, reptiles, amphibians, fishes, and insects, making it easy for young children to identify types by noticing the animal structures. Scientific vocabulary kept to a minimum.

**PYGMIES OF AFRICA (EB)**

i-j-h-a 20 minutes B&amp;W: \$4.15

Depicts Pygmy tribes living in the Congo River Region of Central Africa. Mode of living, gathering of food, hunting methods, animals native to the region, a community game hunt, and bartering processes. Witch doctor mysticism, native superstitions.

**PYTHAGOREAN THEOREM (KB)**

h-c 11 minutes B&amp;W: \$2.15

Presents the historical background of the theorem and includes a detailed discussion of an interesting use of the 3-4-5 triangle by the Egyptians. The theorem is proved and examples are shown. The basic importance of the theorem is stressed.

**PYTHAGOREAN THEOREM: PROOF BY AREA (C)**

j-h-c 5½ minutes B&amp;W: \$1.25

Animated diagrams provide a visual demonstration of the principles of geometric movement and transformation, to show how the square of each side of a right triangle may be transformed to a parallelogram of equal area, and how these may be proved to be equal in area to the square of the hypotenuse.

**PYTHAGOREAN THEOREM: THE COSINE FORMULA (C)**

j-h-c 5½ minutes B&amp;W: \$1.25

Shows how the Pythagorean Theorem may be applied to acute angled triangles in addition to right triangles, and how this leads to the cosine formula. Animated drawings prove that as the acute angle approaches a right angle, its cosine approaches zero, so that the Pythagorean Theorem reappears.

**QUADRILATERALS (KB)**

h-c 11 minutes B&amp;W: \$1.90

Chief properties of important quadrilaterals are explained and illustrated. The parallelogram, rectangle, rhombus, square, trapezoid, and trapezium are dealt with in this film.

**QUALITY CONTROL: (INDUSTRIAL ORGANIZATION AND MANAGEMENT) (McGH)**

c-a 10 minutes B&amp;W: \$2.15

Industry controls the quality of its product by keeping check on the variable factors in manufacturing: men, machines, materials, manufacturing conditions, etc. This film describes factors in setting quality standards and the effect of higher or lower quality standards on manufacturing cost and selling price.

**QUALITY CONTROL BY STATISTICAL METHODS: ACCEPTANCE SAMPLING (UW)**

c-a 17 minutes B&amp;W: \$2.65

Shows statistical methods employed in acceptance sampling by government inspectors responsible for acceptance of products.

**QUALITY CONTROL BY STATISTICAL METHODS: PROCESS CONTROL (UW)**

c-a 17 minutes B&amp;W: \$1.65

Shows statistical methods involved in process control as a means of obtaining for the government a better product at a lower price.

**QUALITY EGG, THE (NYS)**

h-c-a 22 minutes Color: \$5.35

The movie is concerned with the handling of eggs from the time they are gathered until they reach the market. In discussing what makes for quality, the film shows what the different grades of eggs look like inside and out. Explains the "quality journey" of an egg and in this respect considers inheritance and flock management factors.

**QUALITY MILK PRODUCTION (CCC)**

h-c 31 minutes B&amp;W: \$2.15

Important steps in producing clean wholesome milk. Farm scenes show how sanitation is practiced in the control of mastitis and producing milk of a low bacterial count. Scenes inside the laboratory and plant of the receiving station stress the procedures to be followed in maintaining a high quality product. The plant fieldman is shown in action as he serves the needs and interests of the producer and the processing plant.

**QUALITY MILK WITH LESS LABOR (PCA)**

h-c-a 15 minutes Color: N.C.

Shows good construction of dairy barns and the precautions taken to keep equipment clean with greater efficiency.

**QUALITY READY MIXED CONCRETE (PCA)**

h-c-a 30 minutes Color: N.C.

Illustrates the various uses of concrete. Shows how concrete is made and delivered. Depicts the advantages of concrete and shows how it has been of benefit to the modern world.

**QUARTERBACK, THE (NAM)**

h-c-a 29 minutes B&amp;W: \$4.65

Recounts the difficulties of an athlete whose training and popularity in school fails to fit him for adult occupational responsibilities. He learns later that business success can be achieved only through hard work, team cooperation and a will to win as on an athletic team.

**QUEST, THE (IFB)**

general 35 minutes B&amp;W: \$5.55

The dramatic story of the discovery of insulin in the struggle against disease. The film depicts the work, discouragement and poor conditions that surround Dr. Frederick Banting and his associate, Charles Best, in their fight against time and the skepticism of other doctors, which resulted in victory over diabetes. The story dramatizes the odds against them and the persistence that brought about one of medicine's greatest conquests.

**QUIET ONE, THE (ATH)**

h-c-a 61 minutes B&amp;W: \$12.15

Donald Peters is a mentally-disturbed Negro boy who is an only child and the victim of a disrupted home in the Harlem district of New York City. At the age of 10, he is sent away to the Wiltwyck School at Escopus, New York, a correction school for delinquent boys founded by the Protestant Episcopal Church. With the aid of the psychiatrist and counselors there, he receives the training and emotional comfort which help him on the way to rehabilitating his own personality.

**R.A.F. ACTION (CAA)**

j-h-c 9 minutes B&amp;W: \$2.15

Newsreel shots follow the R.A.F. in action. Includes a short historical survey and types of bombers in use. Ends with actual combat shots in the Battle of Britain, and attacks on convoys.

**RCL-RESISTANCE CAPACITANCE (RADIO TECHNICIAN TRAINING SERIES) (CAA)**

h-c-a 30 minutes B&amp;W: \$2.15

Explains current and voltage in relation to time, voltage and current curves. Describes how current leads voltage and voltage leads current in different instances and their relationship. Shows the graphic method of measuring voltage at the source, addition of phase components, and the effect of impedance at resonance.

**R.E.A. STORY, THE (USDA)**

i-j-h-c-a 27 minutes Color: \$2.00

The story of how electric power has transformed life in rural America. In 1935, when the Rural Electrification Administration was created, only about one U.S. farm in ten was electrified. As REA marks its 25th anniversary, about 97 percent of all U.S. farms and ranches are electrified. The film lets you visit with a co-op consumer in the South who recalls those days of drudgery before electricity; with a Midwesterner who operates an electrified factory for milk production; with a mail carrier who has seen electric power draw new people, new industries, to his rural route; and with a Western co-op manager who serves a territory so vast that he must fly a plane to call on his consumers.

**R. 521 (AFF)**

h-c-a 11 minutes B&amp;W: \$2.15

An impression of a trip from Milan to Rome on Italy's latest and swiftest express train. With E.C.A. funds, the country's devastated railroads and equipment are rapidly overtaking their pre-war level of excellence.



## **RABBETING AND SHAPING AN EDGE ON STRAIGHT STOCK (UW)**

**h-a** 17 minutes **B&W: \$2.65**  
Points out the principle of shaper operation. Shows the process of setting up the machines for cutting rabbets and shaping a molding.

## **RABBIT (IFB)**

**i-j-h** 10 minutes **B&W: \$2.15**  
The life cycle of the rabbit is covered. Food, skeletal structure, natural habitat, burrow, birth and care of young are described.

## **RABBIT THAT RUNS ON SNOWSHOES (EH)**

**j-h** 10 minutes **Color: \$3.20**  
Snowshoe hare is shown at every season of the year.

## **RABIES (McGH)**

**i-j-h-a** 15 minutes **B&W: \$3.00**  
This film has been made to acquaint both children and adults with the facts about rabies—its cause, its effects and its control, using actual photographs of rabid dogs as well as specially-trained healthy ones.

## **RACCOONS' PICNIC, THE (EB)**

**p-i** 5 minutes **Color: \$1.90**  
While their parents, like sensible raccoons, are sleeping through the day, Beatrice and Willie set out to explore the rocks and woods. Meanwhile two boys have gone for a swim leaving their lunch packs on the lake shore. Guess who has the picnic?

## **RADIO AIDS (AERIAL NAVIGATION SERIES) (CAA)**

**h-c** 28 minutes **B&W: \$2.15**  
Explains the operation of the radio range; and the nature of the radio beam. The cone of silence, false cone, marker, and the interpretations of the sounds used in aerial navigation are also discussed as well as the utilizations of weather reports, radio compasses, directional antenna, and the automatic compass.

## **RADIO AND TELEVISION (VGF)**

**j-h-c-a** 10 minutes **B&W: \$2.15**  
An analysis of the radio industry from the vocational guidance standpoint. A brief history of radio, its importance today, and its allied inventions such as the sound motion picture, wire-photo, etc. are outlined. The fundamental principles of television are described briefly. The film shows the job opportunities available in these fields and the qualifications and training needed.

## **RADIO ANTENNAS: CREATION AND BEHAVIOR OF RADIO WAVES (CAA)**

**h-c-a** 10 minutes **B&W: \$2.15**  
Explains electric and magnetic fields, behavior of radio waves in space, ground wave, reflection and refraction, the ionosphere, and the causes of fading.

## **RADIO ANTENNAS: FUNDAMENTALS OF THE ANTENNA (CAA)**

**h-c-a** 15 minutes **B&W: \$2.15**  
Explains various types of antennas and some of the fundamental characteristics of each. Shows how the effective length of an antenna can be altered and how standing waves are prevented from forming in transmission lines. In final sequence, it discusses typical circuits for voltage and current-fed antennas.

## **RADIO BROADCASTING TODAY (McGH)**

**general** 17 minutes **B&W: \$3.40**  
Presents radio broadcasting with a variety of programs. Includes important radio personalities such as Toscanini, Norman Corwin, Benny, Bergen, Hopc, and Allen, and divergent features such as the daytime serial and the newscast. Also describes a great industry behind all this—the networks, the sponsors, the agencies, and the F.C.C.

## **RADIO COMPASS: THE RADIO COMPASS IN FLIGHT (CAA)**

**h-c** 20 minutes **B&W: \$2.15**  
Shows how the radio compass is utilized in aerial navigation.

## **RADIO LOCATION—SITING RADAR EQUIPMENT (CAA)**

**c-a** 28 minutes **B&W: \$2.15**  
Radar equipment is vital in radio location. Some of the basic factors in siting wide beam type of radar equipment are discussed.

## **RADIO OPERATOR (CAA)**

**j-h-c** 20 minutes **B&W: \$2.15**  
Dramatized story of a soldier's progress through radio operators school and how as a radio operator he later saves the lives of his bomber crew when they are forced to ditch their plane.

## **RADIO OPERATOR TRAINING: RHYTHM, SPEED AND ACCURACY IN HAND SENDING (CAA)**

**c** 10 minutes **B&W: \$2.15**  
Discusses sequence in rhythm and timing. Points out that clear distinct sending is essential in order to assure proper receiving at destination. Compares several senders' ability by means of the recording tape. States that it is best to be adequate and progress slowly rather than to be speedy and send jumbled messages.

## **RADIO OPERATOR TRAINING: TECHNIQUE OF HAND SENDING (CAA)**

**c** 9 minutes **B&W: \$2.15**  
States that the important parts of the transmitter are the knob, contacts, tension springs, adjusting contacts and adjusting springs. Stresses the importance of ease of operation and correct position. Studies the elements of Morse Code, timing, and the parts of the body that function when transmitting code.

## **RADIO RANGE ORIENTATION (CAA)**

**h-c** 19 minutes **B&W: \$2.15**  
Shows by use of the Link Trainer how a pilot can locate himself through use of the radio range and how to bracket its beams or courses.

## **RADIO RECEIVERS: PRINCIPLES AND TYPICAL CIRCUITS (UW)**

**c-a** 17 minutes **B&W: \$2.90**  
Portrays the principles and operation of typical radio receivers including crystal and tube detector, radio and audio frequency amplification, and the superhetrodyne circuit.

## **RADIO SHOP TECHNIQUES (UW)**

**h-c-a** 36 minutes **B&W: \$5.40**  
Shows the tools used by radio technicians. Demonstrates orthographic projection, making a layout, sawing and filing, drilling, bending metal, wiring and soldering in making a regenerative receiver.

## **RADIO TRANSMITTERS: PRINCIPLES AND TYPICAL CIRCUITS (CAA)**

**h-c-a** 17 minutes **B&W: \$2.15**  
Shows the principal parts of a radio transmitter and how each functions. Describes the antenna and its purpose; a simple oscillator and how it functions; the Hartley oscillator circuit; the amplifier; and how the microphone is connected in the circuit.

## **RADIO WAVES (PLANET EARTH SERIES) (McGH)**

**j-h** 30 minutes **Color: \$7.00**  
Both man-made and natural radio waves are discussed, beginning with Hertz's discoveries in the 19th century. The influence of the ionosphere on radio waves is explained. The relationship between radio waves, the ionosphere, the earth's magnetic force and solar activity is delineated. The new science of radio astronomy is described.

## **RADIUS OF ACTION (AERIAL NAVIGATION SERIES) (CAA)**

**h-c** 10 minutes **B&W: \$2.15**  
Describes solution of three problems in radius of action navigation: returning to the same or a moving base, and returning to an alternate base. Explains the basic formula for determining time of flight out.

## **RAILROAD RHYTHMS (FA)**

**p-i-j** 9 minutes **B&W: \$2.15**  
When a freight train comes into the rail yard of a big city, we see numerous operations. The steam locomotive is serviced and then a switch engine is followed to the classification yard. Concludes with a newly assembled train ready to leave the yard on its way to the next big city.

## **RAILROAD SPECIAL AGENT (McGH)**

**j-h-c-a** 15 minutes **B&W: \$3.65**  
A railroad policeman has special duties. He is followed through patrolling, guarding, and watching over people and cargoes.



**RAINBOW OF STONE (TFC)**

i-j-h 21 minutes Color: \$5.85

When drought threatens the grazing lands of the Navajos, an old chief tells his grandson the tribal legend of a wonderful country beyond "the rainbow of stone." The boy and his friend, the son of a white trader, set out to find the legendary land. *Restricted to Classroom Use.*

**RAINBOW VALLEY: STORY OF A FOREST RANGER (USDA)**

i-j-h-c-a 30 minutes Color: \$6.50

Work and responsibilities of the U.S. forest rangers are surveyed to indicate how they are of service to the American people. Shows the forest ranger protecting and managing the resources of the national forest, working with timber, water, grass, and wildlife recreation.

**RAINDROPS AND SOIL EROSION (UW)**

h-c-a 22 minutes Color: \$4.65

Experiments show how raindrops scatter the topsoil and cause erosion. Conservation measures such as mulching cover crops, strip-cropping, terracing, and contouring are seen.

**RAISING DAIRY CALVES (UPRR)**

i-j-h-c-a 11 minutes Color: \$2.15

Teaches recommended steps to be followed in raising dairy calves for herd replacements.

**RAISINS YOU BUY, THE (USDA)**

h-c-a 5 minutes Color: \$1.15

This short film tells the story of how California raisins are cleaned, processed, and packaged so that consumers may have sound, wholesome fruit. The role of the U. S. Dept. of Agriculture's Inspection Service is featured as inspectors examine raisins (a) upon delivery to packing plants to determine maturity and wholesomeness, and (b) after processing to determine cleanliness, quality, and condition. Pictures several ways raisins may be used.

**RANCHO LIFE (REVISED) (AB)**

i-j-h-a 21 minutes B&amp;W: \$4.15

Pictures the history of and life on a typical Spanish ranch in old California. Ranchero Don Solis tells of his experience establishing his rancho—how he measured it with rawhide riatas, tilled the soil with wooden plows and slow-moving oxen. Using a vaquero's rope, branding and herding cattle are also included. Hides and tallow are traded at the seacoast for merchandise from merchant sailing ships.

**RAPE OF THE EARTH (BIS)**

h-c-a 21 minutes B&amp;W: \$3.15

Soil erosion is a world problem. Wind and flood do great damage, but man has drained the earth of its strength for centuries. Remedial work was begun before the war, but millions of acres have been lost, some for all time.

**RAPUNZEL (CAR)**

p-i 10 minutes Color: \$3.40

A wicked witch imprisons Rapunzel in a tower. A prince attempts to rescue Rapunzel, but the witch catches him and blinds him. However, the prince manages to free Rapunzel and her tears of joy at seeing him cause him to regain his sight.

**RASSLIN' MATCH (OF)**

p-i-j 10 minutes B&amp;W: \$1.65

Amos and the Kingfish promote Andy as an opponent for Bull Moose, the rasslin' champ.

**RATE OF REACTION (CHEMISTRY LAB. SERIES) (C)**

h-c 28 minutes B&amp;W: \$5.15

Several factors which affect reaction rates are discussed and illustrated. The reaction between crystals of potassium permanganate and glycerine shows the effect of surface area. The reaction between oxalic acid solutions and permanganate solutions at various temperatures shows the effect of temperature. Other demonstrations illustrate additional factors which influence reaction rate.

**RATIO AND PROPORTION (KB)**

h-c 11 minutes B&amp;W: \$2.15

Applications of the idea of ratio in various real life situations and relationship between a ratio and a proportion. Covers the "product of means equals product of extremes theorem." Usefulness of ratio as a means of comparing quantities is emphasized.

**RATIO AND PROPORTION IN MATHEMATICS (C)**

j 11 minutes B&amp;W: \$2.35

This film shows that ratio expresses a relationship between two numbers and points out that equal ratios form a proportion, which may be used in solving problems. It is stressed that the units must be the same in finding ratios between two numbers.

**REACHING INTO SPACE (IFB)**

i-j 14 minutes Color: \$5.00

Shows how the rocket exhaust provides opposite reaction of thrust, and details the amount of force necessary for a satellite to orbit and the escape speed necessary to break through the earth's gravitational field into space. The film also reviews chronologically man's attempt to free himself from this gravitational pull. Ramifications of modern space research—weather surveys, scientific measurements, world-wide communication, and manned space flights—are enumerated.

**REACTIONS IN PLANTS AND ANIMALS (EB)**

h-c 10 minutes B&amp;W: \$2.15

After first characterizing the concepts of "stimulus" and "reaction," the film presents a study of different types of reactions in plants and animals. Directed reactions in a field of force (tropisms) are studied first; then higher reactions including reflexes and chains of reflexes lead up to a review of nervous system activity. Such reactions as geotropism, phototropism, stereotropism, galvanotropism, and rheotropism are studied in detail.

**READ, HEED, AND LIVE (GPP)**

h-c-a 8 minutes B&amp;W: \$1.90

The purpose of this film is to help increase awareness of traffic safety signs and their importance. A test on the identification of traffic signs and road markings are given to the audience by a highway patrolman. Then the signs as well as other road markings and their usefulness are discussed.

**READING A 3-VIEW DRAWING (USOE)**

h-c 9 minutes B&amp;W: \$1.65

In reading a blueprint, it is necessary to know how to visualize the object. Shows the method of interpreting a blueprint and demonstrates how to make a tool block according to specifications.

**READING IMPROVEMENT: COMPREHENSION SKILLS (C)**

i-j-h 11 minutes B&amp;W: \$2.35

In this film, a knowledge of the different ways of organizing paragraphs is emphasized for the student's better understanding of the organization of ideas in written material. An ability to outline is also stressed. The use of organizational clues in books is shown. A list of steps to follow is given to aid the student in reaching better comprehension in his reading.

**READING IMPROVEMENT: DEFINING THE GOOD READER (C)**

i-j-h 11 minutes B&amp;W: \$2.35

Examining the reading habits of three students, this film points out the characteristics of a good reader. Skills which most readers can develop and improve include speed and accuracy in word recognition, good vocabulary and vocabulary-building habits, comprehension of the ideas presented and the use of varying rates of reading speeds.

**READING IMPROVEMENT: EFFECTIVE SPEEDS (C)**

i-j-h 11 minutes B&amp;W: \$2.35

This film points out the characteristics of inefficient readers—those who read too fast as well as those who read too slowly. The importance of learning to use different reading speeds is emphasized, and specific reading habits and reading exercises are illustrated in animation to aid the student, according to his purpose in reading and the difficulty of the material.

**READING IMPROVEMENT: VOCABULARY SKILLS (C)**

i-j-h 11 minutes B&amp;W: \$2.35

Jack begins to work to improve his vocabulary when he realizes that his limited stock of words restricts his reading effectiveness. Designed to develop a desire to improve inadequacies in vocabulary, this film suggests specific vocabulary-building skills and exercises which Jack uses with significant results.

**READING IMPROVEMENT: WORD RECOGNITION SKILLS (C)**

i-j-h 11 minutes B&amp;W: \$2.35

This film is designed to help the student understand the importance of word recognition in effective reading, and to de-



velop an interest in improving his word recognition. By means of animation, the student is shown skills he may develop for quick and accurate recognition of words by form, context, and sound.

READING MAPS (EB)

i 10 minutes Color: \$3.40  
Uses familiar situations and aerial photography to show that maps are drawn in a language of signs that stand for physical characteristics. The importance of the legend, the scale, the direction symbol, and the title in the making and reading of maps.

READING MUSIC: FINDING THE MELODY (C)

p-i 11 minutes B&W: \$2.35  
Bob and Sarah learn how musical symbols give us the melody of a song. Effective visual and aural devices are used to introduce the scale, note relationships, key signatures, and sharps and flats, and to relate these to the piano keyboard.

READING MUSIC: FINDING THE RHYTHM (C)

p-i 11 minutes B&W: \$2.35  
Rhythm is an important part of music and it is fun, too. By means of interesting visual and aural devices, the film introduces note values, the beat, the bar, the measure, accent, the time signature, the dotted note, the tie, and the rest.

READING MUSIC: LEARNING ABOUT NOTES (C)

p-i 10 minutes B&W: \$2.35  
Mrs. Edwards teaches Bob and Sarah a new song, and in so doing introduces them to the symbols of musical notation. They learn how notes indicate both melody and rhythm, and see, as well as hear, how these musical symbols are translated into meaningful patterns of sound.

READING WITH SUZY (CW)

p-i 10 minutes B&W: \$2.15  
A film for beginning readers, it calls for audience participation in group learning. To stimulate reading, it provides motivation as well as direct teaching.

READY TO TYPE (C)

h-c 10 minutes B&W: \$2.15  
Readiness is the prerequisite to typing efficiency. One must know how to make all the necessary adjustments to the machine as well as to oneself. The latter means getting ready mentally and physically to control the typewriter.

REALISTS, THE (AMERICAN LITERATURE SERIES) (C)

j-h-c 10 minutes B&W: \$2.25, Color: \$3.40  
Examines the writings of Upton Sinclair, Theodore Dreiser, Hamlin Garland, Stephen Crane, Jack London, Booth Tarkington, and Sinclair Lewis, and associates the theme of realism with many of our present-day novelists, poets, essayists and dramatists.

REAMING WITH STRAIGHT HAND REAMERS (UW)

h-c-a 20 minutes B&W: \$2.90  
Explains the types of reamers. Demonstrates the operations and procedures used in reaming straight holes with straight-fluted, helical-fluted and adjustable-blade reamers.

REBIRTH OF THE GOOD EARTH (DKAA)

h-c-a 21 minutes Color: \$2.15  
This film tells the story of an Ohio farm, of the rebuilding of the soil, and the production of better crops through proper soil management.

REBUILDING WITH GRASS (USDA)

j-h-c-a 20 minutes Color: \$4.65  
The ranchers in Idaho, Utah, Nevada, and New Mexico tell about their work in reseeding lands. They have reseeded the worn-out range lands and now are nourishing range plants to restore the land.

RECEIVING RADIO MESSAGES (EB)

j-h 10 minutes B&W: \$2.15  
Explains in detail, by animated drawings, the fundamental steps and principles of radio reception by using the simplest form of receiver—the crystal set. Shows the function of the variable condenser and emphasizes mutual inductance, self-inductance and resonance.

RECKLESS DRIVER (UW)

general 6 minutes B&W: \$1.65  
Woody Woodpecker suddenly discovers that he must renew his driver's license.

RECONDITIONING A GRAIN DRILL (USOE)

h-c 30 minutes B&W: \$3.90  
How to inspect and repair a typical grain drill is shown.

RECONDITIONING A MOWER (USOE)

h-c 20 minutes B&W: \$2.65  
Methods of checking, reconditioning, and repairing the cutter bar of a mower are clearly depicted in this film produced by the United States Office of Education.

RECONDITIONING A TWO-BOTTOM TRACTOR PLOW (USOE)

h-c 24 minutes B&W: \$3.65  
Shown are: how to check, repair, and maintain a two-bottom tractor plow, how to check and repair the different wheel assemblies, how to check and repair the power lift assembly, and how to find the center of resistance and the line of draft. Instruction also is given for mixing the ingredients of the prime coat for painting farm machinery.

RECORD OF A FLIGHT, THE (CAA)

j-h-c 14 minutes B&W: \$2.15  
Shows how air traffic is "controlled" by following the procedures involved during a typical flight. Special attention is given to the recording of all conversations between the pilot and control personnel.

RECORDING WITH MAGNETIC TAPE (UM)

h-c-a 9 minutes B&W: \$2.15  
This film is designed to encourage the use of the tape recorder and to acquaint prospective users with its operation.

RECOVERY OF THE MONA LISA (YOU ARE THERE) (YA)

j-h-c-a 27 minutes B&W: \$5.65  
On December 10, 1913, Florence, Italy, Vincenzo Perugia confesses to his theft of da Vinci's famous Mona Lisa painting from the Paris Louvre "for love and for Italy." This was a memorable event in the art world.

RECREATIONAL AND OCCUPATIONAL THERAPY (UW)

c-a 14 minutes B&W: \$2.65  
Recreational and occupational activities must be fitted to the patient's condition. Considers individualized occupational therapy as supervised by the nurse, group occupational work in the hospital and community, and social recreation projects.

RECTANGULAR COORDINATES (RADIO TECHNICIAN TRAINING) (CAA)

h-c 11 minutes B&W: \$2.15  
The use of coordinates in simplifying the solution of problems involving two variables is demonstrated. Teaches how a point is located by the use of two coordinates and explains what a coordinate is.

RECTILINEAR COORDINATES (KB)

h-c 11 minutes B&W: \$2.15  
Discusses the mathematical principles involved in the two-dimensional and three-dimensional coordinate system. Clever animation in synchronism with numbers makes possible a concise explanation of Descartes' theorem, point, line, plane, solid, number scale, coordinates, plus and minus values, axes, and three-dimensional locations.

RED HEN (AB)

p-i 10 minutes Color: \$3.15  
The red hen slips away from the backyard flock and hides a nest under some bushes. The duck sees her go and discovers her secret. The eggs hatch and the red hen cares for her baby chicks.

RED STALLION'S REVENGE (UW)

p-i 10 minutes B&W: \$1.70  
Depicts Red Stallion, a prize horse, in a revengeful chase after the grizzly killer that had murdered his mother. It is a gigantic and amazing battle to the death as Red catches up with the mammoth bear.



**RED-WINGED BLACKBIRD (C)**

**p-i-j** 11 minutes Color: \$3.40  
Two birds are followed through courtship, nest building, hatching, and fall migration.

**REDWOOD SAP (WOODY WOODPECKER) (UW)**

**p-i** 9 minutes Color: \$2.55  
Lazy Woody nearly starves to death sponging food from animals. They pour on the ice, but Woody merrily thaws his way out.

**REFINING OIL FOR ENERGY (SOC)**

**j-h** 22 minutes Color: \$2.15  
Shows by animation, photographs, and drawings the process of transforming crude oil into usable oils and gasoline. The terms distillation, alteration and purification are explained, showing how each is used in getting more and better gasoline and lubricating oil from the crude petroleum. The role of petroleum research is also shown.

**REFLECTION (JUNIOR SCIENCE SERIES) (McGH)**

**j** 10 minutes B&W: \$2.15  
Explains how light rays are reflected; why we are able to see light; and why a mirror reflects images. Also shows tricks with mirrors and the operation of a periscope. Demonstrates a toy periscope that children can make.

**REFORMATION, THE (C)**

**i-j-h-c** 13 minutes Color: \$4.65  
Shows the role of the Church in Europe. This overview of the Reformation period takes us to the actual sites where many of the events took place. Cultural rebirth, emergence of national states, and new Scripture interpretations are discussed. Particularly attentive to the happenings in Germany and Martin Luther as well as the Protestant Reformation.

**REFRACTION (UW)**

**j-h-c** 8 minutes B&W: \$2.15  
The law of refraction is demonstrated and explained by the analogy of wheels, moving from a smooth surface into sand. Examples of refraction, critical angle, total internal refraction, and their applications in the submarine periscope and binoculars are explained. The law and its application is summarized.

**REFRACTION (JUNIOR SCIENCE SERIES) (McGH)**

**j** 11 minutes B&W: \$2.15  
Explains what refraction is, why rays of light are bent, and how light rays move at different speeds in various substances. Demonstrates refraction experiments that children can do. Shows experiments with total internal reflection (a form of refraction), including how to make a glass tumbler disappear.

**REFRIGERATION (JUNIOR SCIENCE SERIES) (McGH)**

**j** 11 minutes B&W: \$2.15  
Explains why a refrigerator keeps things cold; how evaporation produces coldness and why a canteen cover keeps water cool. Shows experiments with evaporation that children can do. How the mechanism of a refrigerator works is also depicted.

**REHABILITATION OF RESPIRATORY PATIENTS (NFI)**

**c-a** 11 minutes B&W: \$2.15  
Explains why the National Foundation for Infantile Paralysis cannot declare victory over polio until everything possible has been done for the casualties. Produced for doctors, nurses, physical therapists, social workers, and others who work with polio patients.

**REINFORCEMENT IN LEARNING AND EXTINCTION (BASIC PSYCHOLOGY SERIES) (McGH)**

**c-a** 8 minutes B&W: \$1.90  
Shows how behavior that is reinforced is learned, while non-reinforced behavior is extinguished. Demonstrates this principle with both humans and pigeons.

**RELAYS, THE (UW)**

**j-h-c** 10 minutes B&W: \$2.15  
In stressing fundamentals, condition and form, this film demonstrates passing, right and left exchange, merging of runners' speed, baton grips, start, cup style, overhand and underhand action, fly-scoop, and team work.

**REMBRANDT, PAINTER OF MAN (C)**

**i-j-h-c-a** 18 minutes Color: \$5.65  
Produced in commemoration of the 350th anniversary of Rembrandt's birth. Brings together over sixty selected canvases

gathered from twenty-nine museums in twelve countries to illustrate the artist's amazing ability in the use of light and shadow and his genius in expressing human compassion for his subjects.

**REMBRANDT: POET OF LIGHT (IFB)**

**h-c-a** 13 minutes B&W: \$3.65  
A biographical film based on the artists' own drawings, etching, and painting.

**REMBRANDT VAN RIJN: SELF PORTRAIT (EB)**

**h-c-a** 27 minutes Color: \$8.90  
Through his own paintings and etching we trace the highlights of Rembrandt's life from early fame to achievement of new effects with light and shade. In the last years of his life Rembrandt continued to paint his own way although it cost him many of his former admirers.

**REMEMBER THE ALAMO (EPC)**

**j-h** 42 minutes B&W: \$6.15  
Depicts the trends and events which led to the Texas War of Independence, and which brought the whole Southwest under the Stars and Stripes.

**REMNANTS OF A RACE (EB)**

**j-h-c-a** 18 minutes Color: \$5.55  
In a great waterless Kalahari desert (Bechuanaland, South Africa) the Bushman exists precariously, relentlessly hunting for food. Evidences of his sketching and painting appear on the ostrich egg utensils he uses. The Bushman talks in a strange clicking manner and thanks his gods in rhythmic dance.

**RENAISSANCE, THE (C)**

**j-h-c-a** 10 minutes B&W: \$2.15, Color: \$3.40  
The Renaissance was more than an historical period. It represented a mental attitude and a human spirit. It is this spirit which the film evokes in a wealth of colorful, authentic images. From Galileo's telescope to Leonardo's notebooks, from the Medici Palace in Florence to St. Peter's Cathedral in Rome, your students will experience something of the science, the literature, the arts, and above all, the driving spirit of human endeavor that gave us the Renaissance.

**RENAISSANCE ARCHITECTURE (UW)**

**h-c-a** 17 minutes B&W: \$3.65  
Pictures the development of architectural form and line as illustrated in the renaissance castle of the Loire Valley of France.

**RENAISSANCE INTRIGUE (TFC)**

**j-h-c-a** 20 minutes B&W: \$3.15  
Excerpts from the feature film *PRINCE OF FOXES*. Portrays the struggle between Cesare Borgia and the independent principality of Citta del Monte in an early Italian Renaissance background. Count Orsini is sent by Borgia to find a way to gain control of the principality. During his stay at the city, Orsini changes his mind and finally revolts against Borgia and helps defeat the Borgia armies. *Restricted to Classroom Use.*

**RENAISSANCE, THE (ITS BEGINNINGS IN ITALY) (EB)**

**j-h-c-a** 30 minutes Color: \$7.45  
Photographed entirely in Italy and France. A superb film record of the achievements of the Renaissance—a period of awakening and discovery; of the ancient world, of scholarship, of art and science, and the dignity of man. Among the magnificent examples of Renaissance painting, sculpture, and architecture are works of art that have never before been included in any film.

**RENOIR (PIERRE AUGUSTE) (COFI)**

**c-a** 30 minutes Color: \$7.90  
Uses 50 paintings by Auguste Renoir to trace the development of the artist's style, examine his experiments in impressionism, and show evidences of his warm personality and respect for youth.

**REPAINTING A FRAME BUILDING (UW)**

**h-c-a** 17 minutes B&W: \$2.65  
Shows how to determine repairs needed on building before painting; how to estimate amount of paint to be used; how to prepare building for paint job; how to set up staging; how to prime-coat the building; how to store paint and equipment; and how to care for brushes.



**REPAIRING AIRCRAFT TIRES (CAA)**

**h-c** 19 minutes **B&W: \$2.15**  
Shows how to inspect an airplane tire; how to remove the tire; how to remove the tube from the tire; how to vulcanize the tube; how to repair a cut in the tire; how to re-install the wheel; and the importance of entering the job in the log book.

**REPORT FROM THE BEACHHEAD (OWI)**

**h-c** 11 minutes **B&W: \$2.15**  
Shows the established beachhead at Anzio, the hardships endured—fighting, mud, guts, blood, and dying. Stresses the fact that no matter how costly, our own boys will fight and die until victory is won.

**REPORT ON DONALD (UM)**

**h-c-a** 19 minutes **B&W: \$3.65**  
Entering college, freshman Donald Carter has a bad speech block and goes to the speech clinic for help. Donald's history is reviewed to indicate how his severe block developed. He then works with his difficulty at the clinic, gains control over his speech, and becomes a confident, socially well-adjusted person.

**REPORT ON KASHMIR (McGH)**

**j-h-c-a** 10 minutes **B&W: \$2.15**  
Illustrates the importance of the rivers which originate in Kashmir. Depicts the simple, unvarying life of the people of the mountains. Shows the effect that the cold war between the Indian Union and Pakistan has had on these people.

**REPORT ON THE ATOM (McGH)**

**h-c-a** 19 minutes **B&W: \$3.40**  
Shows the nonmilitary uses of atomic energy. Research conducted in the laboratories of the AEC are shown and the uses already being made of radio-active materials in medicine, biology and industry are illustrated.

**REPORT TO AMERICAN PEOPLE ON TECHNICAL COOPERATION (ICA)**

**j-h-c-a** 14½ minutes **B&W: \$2.15**  
Depicts the manner in which American know-how and money are being used to build up the social and economic level of various countries. Shows President Eisenhower calling for a new kind of war upon the poverty that exists in the modern world.

**REPRODUCTION AMONG MAMMALS (EB)**

**j-h** 11 minutes **B&W: \$2.15**  
Actual photography, microcinematography, animated drawings, and stop-motion are used in presenting the story of embryology. The domestic pig was selected for the purpose of illustration. The story is fundamentally complete from the formation of the original male and female germ cells to the active newborn pig.

**REPRODUCTION IN ANIMALS (C)**

**j-h** 10 minutes **Color: \$3.40**  
This film introduces fundamental principles of the process of reproduction among animals. With the emphasis on reproduction in mammals, we observe various animals. The function of each parent, the three main types of sexual reproduction, the development of the embryo, and birth processes are illustrated.

**REPRODUCTION IN PLANTS (C)**

**j-h** 14 minutes **Color: \$4.15**  
This film shows the difference between sexual and asexual reproduction of plants. Further explained are the processes involved in each method of reproduction. Self-pollination, cross-pollination, and ways plant strains are improved by selective breeding illustrate applications of principles of plant reproduction.

**REPTILES (EB)**

**h-c** 13 minutes **Color: \$5.15**  
Art illustrations of prehistoric reptiles introduce the five orders which remain on earth today. Close-ups of living lizards, turtles, tuataras, crocodilians, and serpents show the common characteristics of reptiles and the ways in which they move, eat, reproduce, and protect themselves. Shows how reptiles are related to the intricate balance of nature, and some of their uses to man.

**REPTILES AND THEIR CHARACTERISTICS (C)**

**i-j-h** 11 minutes **Color: \$3.60**  
The film study identifies the five orders of animals that make up the reptile group and points out their common characteristics and some of their differences. We see the snakes, lizards, turtles,

crocodilians, and the rare tuatara in their native habitats and learn something of how they live and reproduce, their adaptations to their environments, and some of the ways in which they benefit mankind.

**REPTILES ARE INTERESTING (FA)**

**i-j** 10 minutes **Color: \$3.40**  
Five groups of living reptiles are introduced. Through the use of illustrations, their similarities and differences are noted.

**REPUBLIC OF THE PHILIPPINES (UW)**

**i-j-h-c** 20 minutes **Color: \$6.65**  
Extreme contrasts in cultural development are seen from the primitive villages of the Negritos, Muslims and Igorots to the modern metropolis of Manila, re-built on the ruins of war. Rice, sugar cane, pineapple, coconuts and "Philippine mahogany" timber for export are shown as essential crops playing vital roles in the nation's economy. Hydroelectric power dams which make possible the mining of copper and other mineral resources are seen. Today's and tomorrow's important role of education is stressed and new educational facilities are shown.

**REPULSION MOTOR PRINCIPLES (USOE)**

**h-c-a** 11 minutes **B&W: \$1.90**  
Explains construction and applications of repulsion motor; rotor circuits and effect of brush position; short-circuiting and brush-lifting mechanism.

**RESCUE BREATHING (AFP)**

**general** 20 minutes **B&W: \$4.35**  
Designed to teach the techniques of Rescue Breathing (mouth-to-mouth or mouth-to-nose) to all ages in groups of all types. Re-enacts the laboratory experiments which scientifically proved that rescue breathing is far superior as an emergency source of lifesaving oxygen than the manual methods of artificial respiration. Demonstrates exactly how rescue breathing is used to save the lives of unconscious victims of drowning, drugs, electric shock, gas asphyxiation, and chest injury.

**RESCUE OF AMERICAN PRISONERS AT SANTO TOMAS, THE (YOU ARE THERE) (CBS)**

**j-h-c-a** 27 minutes **B&W: \$5.65**  
In the closing months of the Second World War, many of the hopes and prayers of the American people are answered as the victorious American troops re-enter the Philippines and rescue the prisoners in the Japanese prison camp at Santo Tomas.

**RESCUE SQUADRON (CAA)**

**h-c** 17 minutes **B&W: \$2.15**  
Depicts the operation of the Air Rescue Service in the salvage of human life, both military and civilian, in times of disaster.

**RESEARCH BY ROCKETS (PLANET EARTH SERIES) (McGH)**

**j-h** 30 minutes **Color: \$7.00**  
The exploration of the upper atmosphere by instruments carried aloft by rockets is explained. The history of man's attempts to reach out into the higher atmosphere is portrayed and the variety of modern rocket vehicles, including their principles of operation, is shown. Significant discoveries relating to the atmosphere, ionosphere, the earth's magnetic field, cosmic rays, the aurora, and radiations from the sun are examined.

**RESOLVE OF PATRICK HENRY, THE (YOU ARE THERE) (CBS)**

**j-h-c-a** 27 minutes **B&W: \$5.65**  
March 23, 1775, the second Virginia convention, meeting in Richmond, is the scene of Patrick Henry's famous speech as the convention approves the establishment of a state militia in defiance of the British. A major development in the growing rebellion of the colonies.

**RESPECT FOR PROPERTY (C)**

**i-j** 10 minutes **B&W: \$2.15**  
A boys' club house is broken into by a rival group and much damage is done. Through the guidance of a local policeman, the two groups of boys realize that personal property and public property should be respected.

**RESPIRATION (UW)**

**j-h** 11 minutes **B&W: \$2.15**  
Shows movements of the diaphragm and thorax in breathing, along with functions of the nasal passages, trachea. Includes both internal and external respiration, and pictures the distribution of oxygen by means of the circulatory system and release of energy by oxidation of food.



**REST AND HEALTH (C)**

**j-h** 10 minutes **B&W: \$2.15**  
 Burning the candle at both ends—that was George lately. Training for the conference track meet, trying to keep those grades up, not getting enough sleep—even Sue was beginning to notice the change in him. The coach succeeds in showing George the importance of enough rest and sleep, and their effect on every daily activity. Explains the fundamental facts about rest and teaches students to build correct rest habits.

**REST THAT BUILDS GOOD HEALTH (C)**

**p-i** 10 minutes **B&W: \$2.15**  
 Eric and his schoolmates discover that sleep is just one type of rest; others include relaxation, change, and exercise. They learn how to develop good rest habits, what happens to our bodies while we sleep, and why proper amounts of rest are essential to growth and well-being.

**RESTAURANT OPERATOR (VGF)**

**j-h-c** 11 minutes **B&W: \$2.15**  
 Explains the requirements and opportunities in the restaurant field. Shows the various jobs ranging from owner-operator to waitress and explains the responsibilities of all.

**RETIRE TO LIFE (IFB)**

**c-a** 21 minutes **B&W: \$3.65**  
 A machinist looks forward to a retirement of fishing and just plain loafing, but when the time finally comes he begins to feel useless and unwanted. A positive approach to retirement is shown.

**RETRIEVERS AT WORK (KVF)**

**h-c-a** 11 minutes **Color: \$3.40**  
 The following dogs are shown being trained and then as finished retrieving dogs: Black Labradors, Chesapeake, Golden, and Irish Water Spaniels.

**RETURN TO LIFE (UI)**

**h-c-a** 24 minutes **Color: \$2.15**  
 Many services are performed by the University of Illinois' Division of Services for Crippled Children. A case history involving a little girl with a congenital heart malformation brings to light how they assist children. Other services described pertain to hearing problems, polio, spastic paralysis, and other diseases.

**REVENGE ON THE RANGE (UW)**

**general** 10 minutes **B&W: \$1.70**  
 Produced in 1910, this thriller is very funny today. Scene-chewing acting and furious fighting develop the climax when virtue is rewarded and the hero and heroine go into a clinch.

**REVIVAL OF THE 100-YEAR-OLD FARM HOME (DPA)**

**h-c-a** 20 minutes **Color: \$2.15**  
 By using plywood, the extension services remodeled the 100-year-old Deem Home located near Tuscola, Illinois.

**REVOLUTIONARY TIMES (AMERICAN LITERATURE SERIES) (C)**

**j-h-c** 10 minutes **B&W: \$2.25, Color: \$3.40**  
 Who are the principal Revolutionary writers who stirred the imagination of the colonists? Benjamin Franklin, Patrick Henry, Thomas Paine, and Thomas Jefferson are considered here as to their impact on American life.

**REX, KING OF THE SIERRAS (GNFI)**

**general** 33 minutes **B&W: \$4.25**  
 A drama of wild horses on the American plains starring Rex, the king of wild horses, and Sheik, the trained wonder horse.

**RHINE, THE: BACKGROUND FOR SOCIAL STUDIES (C)**

**i-j** 10 minutes **B&W: \$2.35**  
 Presents an over-all view of the significant influence the Rhine River has throughout Europe. Tracing its historical importance, from its role as a frontier of the Roman Empire to its place as a highway of modern commerce today, the film shows its effect upon the lives and activities of the people who live near it, and the nations which fought to control it.

**RHODE ISLAND (THIS LAND OF OURS SERIES) (IFI)**

**i-j-h** 9 minutes **Color: \$3.15**  
 Covers the historical background of the state; shows the modern textile, granite and woolen industries; also shows farming and poultry raising. It is noted that Rhode Island is also a land of pleasure with facilities for swimming, boating and yachting.

**RHYTHM IN MUSIC (C)**

**i-j** 13 minutes **B&W: \$2.90**  
 Shows how rhythm is found within the individual, in his environment, and in music. Points out the variations in rhythm by accenting beats and using longer and shorter beats. Illustrates how melodies and rhythm are dependent on each other for support to culminate in music. An elementary grade orchestra is presented.

**RHYTHM IN PAINT (EB)**

**i-j-h-c-a** 11 minutes **Color: \$3.40**  
 Watercolorist Eliot O'Hara uses his own sketches and various examples from well-known works of art to illustrate the principle of rhythm in painting. In the last half of the film an artist, Margaret Sheppard, paints a watercolor.

**RHYTHM—INSTRUMENTS AND MOVEMENTS (EB)**

**p** 11 minutes **B&W: \$2.15**  
 Rhythm activities are demonstrated in the fashioning of its own instruments by a second-grade class. The youngsters create rhythmic movements after seeing Indian dances and are helped by the instructor to coordinate such movements with rhythmic sound.

**RHYTHM IS EVERYWHERE (M)**

**p-i-j** 10 minutes **B&W: \$2.15**  
 Everything that moves has rhythm, and Tommy, a small boy, can't help keeping time. On his way to school one day, he meets a cow, a horse, a train, and a caterpillar. Musically and dramatically portrayed is his response to the individual rhythm of each. The score of the picture weaves together the various rhythms of the story. At school, Tommy's teacher helps him translate these rhythmic patterns into music and, with the teacher's encouragement, the children of the class originate their own rhythmic games.

**RHYTHMIC EXERCISES (BFS)**

**i-j-h** 11 minutes **B&W: \$2.15**  
 Presents a group of junior high school boys, illustrating rhythmic techniques, in a series of exercises done to a simple melodic background. Each element is demonstrated in slow-motion detail.

**RICE AND BULLS (AFF)**

**j-h-c-a** 16 minutes **B&W: \$2.15**  
 In the district of Camargue, France, the farmers have formed a cooperative that enables them, through E.C.A. funds to improve the yield of their rice fields. American machinery was needed to flush fresh water from the Rhone into their paddies. A neighboring cattleman looks on in distaste until he discovers that the first rich harvest has been important to him also.

**RICE FARMING IN JAPAN (UMI)**

**i-j-h-c-a** 12 minutes **Color: \$3.40**  
 Details of the processes of rice planting, cultivating, harvesting, and cooking are shown.

**RICE IN TODAY'S WORLD (C)**

**i-j-h** 11 minutes **Color: \$3.40**  
 Presenting the importance of rice as a major food crop of the world, the film shows rice-producing areas around the globe particularly in the Orient. Factors contributing to rice growing such as proper climate, water supply, and terrain are explained. A survey of processes in the culture of rice is also presented.

**RICHES OF THE EARTH (NFBC)**

**j-h-c-a** 17 minutes **Color: \$4.90**  
 Animation and photography show how coal, gold, oil and other minerals were deposited millions of years ago.

**RICHES OF THE VELD (SOUTH AFRICA) (UW)**

**general** 18 minutes **B&W: \$4.15**  
 The native culture of a Zululand draal is contrasted with metropolitan Johannesburg. A suburban family goes shopping and most of its purchases prove to be from South Africa's own cattle ranches, orange groves, vineyards, gold and diamond mines.

**RIDDING THE FARM OF FLIES (UI)**

**h-c-a** 22 minutes **Color: \$2.15**  
 Every farmer, if he chooses, may have a flyless farm. Narrator of this film, H. B. Petty, U of I extension entomologist, explains how this can be accomplished. He discusses the scientific research program on modern fly control methods, which is carried on in the U of I laboratories. A good fly control program is based on two things—sanitation and effective insecticides. Film shows how to mix and use insecticides on the farm, and gives advice concerning sanitary procedures.



**RIDE 'EM COWBOY (UW)**

i-j-h 10 minutes B&amp;W: \$1.70

The Old West is revived in this film of fun and excitement with fighting, leaping, bucking, kicking broncos and steers.

**RIDING THE CREST (PF)**

general 10 minutes B&amp;W: \$1.70

The film taken at Waikiki, Hawaii, depicts the art of surf-board riding and outriggering.

**RIGHT APPROACH (IFB)**

a 7 minutes B&amp;W: \$1.65

A salesman must use the right opening to start a sale. Techniques are mentioned to indicate the opening which starts the sale "flowing smoothly."

**RIGHT AT THE START (CAV) (6 FILMS)**

j-h-c 60 minutes B&amp;W: \$8.15

Divides teaching of basic techniques of typing into nineteen sections, each providing a close-up lesson on the key board. Provides animated explanations and drill activities for learners to perform with the expert demonstrator.

**RIGHT OR WRONG (MAKING MORAL DECISIONS) (C)**

j-h-c-a 11 minutes B&amp;W: \$2.15

The aim of this film is to raise the question of moral standards by which each person makes his own decisions. Harry is with a gang which is breaking windows at a warehouse and is recognized by the night watchman. Even though he did not himself break any windows he is taken to police headquarters. The moral decisions which follow are presented in a manner which will enable the class to understand better and evaluate the making of moral decisions.

**RIGOLETTO (MUSP)**

j-h-c-a 12 minutes B&amp;W: \$2.15

Singers in typical costume present portions of the best-known arias from "Rigoletto."

**RIKKI—THE BABY MONKEY (EB)**

p-i 10 minutes B&amp;W: \$2.15

An afternoon with Rikki, a baby Rhesus monkey, in his jungle home. Shows Rikki with his mother, being fed, watched over, and exploring the interesting world about him. Shows him in a variety of typical play antics with a young monkey friend and narrowly but safely avoiding trouble with an unfriendly snake.

**RIME OF THE ANCIENT MARINER (UC)**

j-h-c-a 28 minutes B&amp;W: \$5.65

A reading of the poem by Samuel Taylor Coleridge accompanies steel engravings by Paul Gustave Dore.

**RINDERPEST: ITS DIAGNOSIS AND CONTROL (USDA)**

c-a 20 minutes Color: \$2.15

Illustrates and portrays history of the disease of cattle, sheep, and goats. Outlines steps that have been taken in this country to prevent this disease.

**RIO DE JANEIRO (PFI)**

j-h 17 minutes Color: \$3.40

Scenes in the city including a typical Brazilian kindergarten, a modern skyscraper, the shopping district, the docks, botanical gardens, and recreational pursuits of the people.

**RIOT ON ICE (UW)**

general 8 minutes B&amp;W: \$1.65

Abbott and Costello go to a resort. At the skating rink their difficulties with the ice make new gyrations for figure skaters.

**RIPPING AND CROSSCUTTING (UW)**

h-a 17 minutes B&amp;W: \$2.90

Shows how each working part of the variety saw functions; how to check saw blades; how to set the fence; how to protect one's self on the job; how to change saw blades; how to use a cutoff gage; and how to use a hinged block crosscutting.

**RISE AND FALL OF NAZI GERMANY (MOT)**

h-c-a 18 minutes B&amp;W: \$3.40

Beginning with the Saar plebiscite in 1935, shows how, in carrying out the evil doctrines first enunciated in the Nazi bible,

"Mein Kampf," Hitler led the Third Reich to domination over 15 countries. How the Nazi's timetable of conquest was overturned only when the U. S., Britain and their Allies joined forces, bringing about the unconditional surrender of Nazi Germany on May 8, 1945. The remaking of Germany into a self-supporting nation is a huge job of rehabilitation. Emphasizes the importance of training wisely those who were too young to have been corrupted by Nazism.

**RISE OF A DICTATOR (TFC)**

h-c-a 33 minutes B&amp;W: \$5.15

Excerpts from the feature film THE HITLER GANG. Traces Hitler's rise from an obscure corporal in the defeated German Army to absolute ruler of the Reich. Shows the Munich "Putsch," Hitler's incarceration in Landsberg Prison, the Reichstag fire; describes the methods used to split the populace into helpless minorities—intimidation through systematic terror and control through Storm Troopers and Hitler Jugend. *Restricted to Classroom Use.*

**RISE OF ADOLPH HITLER, THE (YOU ARE THERE) (CBS)**

j-h-c-a 27 minutes B&amp;W: \$5.65

A significant point to the events and personalities of participants of World War II is seen at Nuremberg, Germany, six months after the Nazi march on the Rhineland.

**RISE OF NATIONS IN EUROPE (C)**

j-h-c 14 minutes Color: \$4.65

The rise of nations is observed from feudal beginnings to highly centralized states of the seventeenth century. The rise of the middle class, the growth of trade, the consolidation of the monarchy, and other elements contributing to this phase of history are illustrated.

**RISE OF ORGANIZED LABOR (McGH)**

h-c-a 18 minutes B&amp;W: \$3.85

This film explains the economic conditions which forced workers to join unions, and shows how the unions built their organizations. Also, the past and present problems and responsibilities of unions in our economic system are illustrated.

**RISE OF THE ROMAN EMPIRE (C)**

i-j-h 14 minutes Color: \$4.50

The film traces the development of Rome from a group of early tribal communities to a mighty empire which embraced a large part of the Western world. It emphasizes those factors which made such a rise possible—Rome's concept of democracy and citizenship, its legal and administrative system, and its military strength. Authentic settings and realistic reenactments were photographed in Rome, Ostia, and in other locations which were part of this great empire.

**RISK AND FORECASTING (INDUSTRIAL ORGANIZATION AND MANAGEMENT SERIES) (McGH)**

c-a 11 minutes B&amp;W: \$2.15

Details the procedure for calculating the chief risks in a new enterprise. Forecast includes: 1) analysis of product as to physical appearance, production requirements, and commercial uses, 2) making surveys to determine demand, 3) estimates of production requirements, and 4) probable relation of production costs and sales income.

**RIVAL WORLD, THE (SOC)**

h-c-a 25 minutes Color: \$2.15

The never-ending struggle for survival between man and the disease-bearing, crop-destroying enemy insects of this rival world. Shows how science is meeting this threat and some of the many methods used in fighting enemy insects.

**RIVER, THE (USDA)**

j-h-c 30 minutes B&amp;W: \$3.65

Story of the Mississippi, dealing with various stages of the river's history beginning with pre-Civil War days. Shows the results of the heedless and planless exploitation of the rich river valley. Discusses reconstruction and conservation.

**RIVER OF ICE (STORY OF A GLACIER) (BFS)**

j-h 11 minutes B&amp;W: \$2.15

Revolves around the structure, source, and movement of an alpine valley glacier. Indicates the relationship of climate to the seasonal cycle of ice accumulation and melt-water runoff of the glacier. Shows the effects of glaciation upon plant, animal and human life in an alpine region.



**RIVERS OF THE PACIFIC SLOPE (C)**

**i-j-h** 11 minutes **B&W: \$2.15**  
 Story of three river systems—Columbia, Sacramento-San Joaquin, and Colorado—and the uses to which man has put these Pacific slope rivers, adapting them to the special needs of the territory.

**ROAD TO BERLIN (OWI)**

**general** 19 minutes **B&W: \$2.15**  
 A Nazi submarine "wolf pack" races to intercept a convoy carrying urgently needed supplies. Dramatic elements revolve around those who handle supplies as they combat the pursuit of the submarines.

**ROAD TO HEALTH AND HAPPINESS (KB)**

**j-h** 11 minutes **B&W: \$2.15**  
 Mentions diet, rest, safety, school nurse, school examination, immunization and tuberculin test, correction of deformed faces and irregular teeth, medical and dental examination and shows an effective way to care for the mouth, teeth, and body.

**ROADS SOUTH (CAA)**

**i-j-h-c** 17 minutes **B&W: \$2.65**  
 Depicts transportation in the Latin-American countries. Shows why South American airways have been so widely developed. Contrasts modern transportation with traveling by burro or afoot over mountainous roads.

**ROBERT E. LEE: A BACKGROUND STUDY (C)**

**j-h-c-a** 16 minutes **B&W: \$3.65, Color: \$5.00**  
 Lee is studied first as a Virginian, a devout Christian who is forced to decide between his home and the Union he loved; then, as a brilliant strategist and beloved commander who stood for "cause, country, and all"—a man whose integrity of principle, even in defeat, set an example for the New South and for future generations of all the nation.

**ROBERT FROST (WISDOM SERIES) (EB-NBC)**

**j-h-c-a** 28 minutes **B&W: \$6.15**  
 Robert Frost, four-time winner of the Pulitzer Prize for poetry, discusses his life and work with Bela Komitzer, Hungarian-born author, at his farm home in Vermont. A life-long critic of regimentation in schools and universities, Frost recalls the wide range of personal experiences—as a mill worker, country-school teacher, cobbler, small-town editor, and farmer—that furnished the background for his achievements in poetry. He reads two of his poems, *Stopping by the Woods on a Snowy Evening* and *The Drumlin Woodchuck*.

**ROBIN (HNP)**

**general** 10 minutes **Color: \$3.15**  
 Color and song add to the instructive and amusing story of the life of our most common thrush.

**ROBIN REDBREAST (REVISED) (EB)**

**p-i** 11 minutes **B&W: \$2.15**  
 Tells the story of the interesting activities and habits of a robin family. We see the building of the nest and the sharing of duty in the incubating of the eggs. Portrays the development of the robins from the time of hatching until they are able to leave the nest and care for themselves.

**ROCKEFELLER CENTER (McGH)**

**j-h-c-a** 17 minutes **B&W: \$3.65**  
 Behind the scenes of the daily activities at Rockefeller Center. Includes views of the garden, art programs, and radio studios.

**ROCKETS AND SATELLITES (UW)**

**i-j** 14 minutes **Color: \$4.70**  
 From the countdown to the exciting blastoff and space probe, complex concepts are clarified.

**ROCKETS—HOW THEY WORK (EB)**

**i-j-h-a** 18 minutes **Color: \$5.60**  
 With animated models and drawings, this film shows how rockets achieve motion and compares rocket power with other types of motive power. Dramatic scenes at a rocket launching site cover the countdown procedure and the take-off of a giant multi-stage rocket. The film also demonstrates the functioning of a rocket guidance system.

**ROCKETS: PRINCIPLES AND SAFETY (FA)**

**i-j** 10 minutes **Color: \$3.60**  
 Film introduces its audience to the physical principles upon which rockets work. It explains why rocket motors can work in the absence of air (outer space). It stresses the fact that rockets are dangerous and should not be built or fired by amateurs.

**ROCKS (PRIMARY SCIENCE) (GA)**

**p** 10 minutes **B&W: \$2.15**  
 The children find numerous rocks on the beach. Their father divides the rocks into groups by pointing out their features. He points out igneous, sedimentary, and metamorphic rock groups.

**ROCKS AND MINERALS (FA)**

**i-j** 11 minutes **Color: \$3.40**  
 Formation of the three basically different kinds of rocks; igneous, sedimentary, and metamorphic. Different minerals are shown and identified.

**ROCKS FOR BEGINNERS (JHP)**

**i** 16 minutes **Color: \$4.95**  
 Gives the three rock classifications and illustrates certain characteristics of each group.

**ROCKY MOUNTAINS—CONTINENTAL DIVIDE (AB)**

**j-h-c-a** 20 minutes **Color: \$6.15**  
 Emphasizes the extent of the Rocky Mountains, shows characteristic geological formations, and points out how the forces of volcanic action, glacial erosion, and running water formed and modified the mountains. Trees, flowers and animals of the Rockies are included.

**ROGER WILLIAMS (FOUNDER OF RHODE ISLAND) (EB)**

**j-h-c-a** 28 minutes **B&W: \$5.65**  
 Re-creates the dramatic story of Roger Williams' conflict with the Puritan leaders of New England; his fight for separation of church and state, freedom of conscience, and protection of minority groups; the "heresy" trial which resulted in his banishment from the Massachusetts Bay Colony; and his decision to establish a new colony—"a place of freedom and liberty—a refuge for mankind."

**ROLE PLAYING IN GUIDANCE (UC)**

**c-a** 14 minutes **B&W: \$2.80**  
 Shows a teacher using the role-playing technique in counseling a junior high school student with a personal problem. The method is halfway between "advice-giving" therapy and "deep-level" therapy.

**ROLE PLAYING IN HUMAN RELATIONS (NEA)**

**c-a** 25 minutes **B&W: \$4.15**  
 A training film on uses of role-playing and how to do it. Some uses shown in the film are: gaining insight and analyzing effects of problems by demonstrating and analyzing effects of different behavior; uncovering interpersonal relationships which are hindering group progress; practicing new behavior before trying it out in a real life situation and communicating human relations skills by acting them out instead of by verbal explanation.

**ROLLER SKATING: ROLLER RHYTHM (RKO)**

**h-c-a** 7 minutes **B&W: \$1.65**  
 Demonstration by some of the roller rink champions along with general shots of the sport.

**ROMAN LIFE IN ANCIENT POMPEII (SUTH)**

**h-c** 16 minutes **Color: \$5.00**  
 This film presents the Roman city of Pompeii in the first century A.D. Filmed in an almost perfectly preserved section of the city, which had been entombed under a protective volcanic ash, the city is recaptured here as it was nearly 2,000 years ago. A young girl of Pompeii leads us through the streets, into the shops, to her home, and to a stirring amphitheater event, giving the viewer a realistic idea of the daily life and pastimes of the people of her time.

**ROMAN WALL, THE (C)**

**j-h-c** 11 minutes **Color: \$3.40**  
 Today, nearly 1600 years after the last Roman soldier left it, much of Hadrian's great wall in England remains. An examination of this 73-mile long structure, with its forts, milecastles,



turrets, barracks, and storehouses, reveals much that was characteristic of both the strength and weakness of the Roman Empire. Dioramas, drawings, and animation are used for clarification.

### ROMANCE OF LOUISIANA (TFC)

**j-h-c-a** 20 minutes Color: \$4.65

To purchase Louisiana, Jefferson's congress passes a bill to purchase the territory for not more than two million dollars. Before leaving for France, Monroe is secretly advised that he may go to ten million. Monroe sails for France to deal with Napoleon, who needs money to wage war against England. The deal is finally closed for fifteen million; ratification takes place December 20, 1803. We see the ceremonies in New Orleans as the French officials retire. Though parts of the story may have been fictionized, it is accurate concerning the motives for the sale. *Restricted to Classroom Use.*

### ROMANCE OF RADIUM (TFC)

**j-h-c-a** 9 minutes B&W: \$1.65

Story of the discovery of radium. Describes experiments of Becquerel and the Curies, the discovery of pitchblende deposits in the Belgian Congo, and the curative as well as destructive powers of radium. *Restricted to Classroom Use.*

### ROMANCE OF ROBERT BURNS (TFC)

**general** 17 minutes Color: \$5.40

Story woven about the episodes in the life of Robert Burns, with musical accompaniment including the songs, "Auld Lang Syne" and "Flow Gently, Sweet Afton." *Restricted to Classroom Use.*

### ROMANCE OF SILVER DESIGN (RB)

**h-c-a** 28 minutes Color: \$2.15

A panorama of silver design through the ages. Historic periods are recreated with costumes, authentic settings, and original silver designs. Scenes made in Egypt, Greece, Italy, France, England and the United States show many examples of period silver.

### ROMANTISCHE STÄDTE (IFB)

**j-h-c** 13 minutes Color: \$4.70

This film on romantic cities takes us to Munich, Dinkelsbühl and Rothenburg, where we view richly ornamented buildings, statuary, famous galleries, gardens, cafes, interesting townfolk and a fortified gate, tower and castle. A German language-teaching aid for use with intermediate classes.

### ROME (COF)

**h-c-a** 20 minutes Color: \$7.15

With a background of blank verse, the story of Rome is revealed. Scenes of the city and its people. Unfolds various cultures and styles of different periods that influenced the city.

### ROME—CITY ETERNAL (EB)

**i-j-h-a** 11 minutes Color: \$3.40

Concentrating primarily on extant ruins, statuary, architecture and the art preserved in St. Peters, film highlights important aspects of the significance of Rome through the ages. An original musical score contributes to mood and atmosphere in keeping with the over-all interpretive quality of the film.

### ROME—CRADLE OF CHRISTIANITY (HOP)

**j-h** 8 minutes B&W: \$1.90

Ancient and modern glories of this immortal city are shown. Among these are Hadrian's tomb, the ancient Capitol, Marcus Aurelius' statue, the Colosseum, St. Peter's, New Mussolini Forum, Trevi Fountain, and excavated masterpieces of ancient empire.

### ROME, THE ETERNAL CITY (UW)

**j-h-a** 9 minutes B&W: \$1.65

Age-old relics suggest the pomp and glory of ancient Rome. The grandeur of Vatican City is compared to the structures of modern Rome.

### ROMEO AND JULIET (FI)

**j-h-c-a** 42 minutes B&W: \$8.00

Limited to those sequences which deal directly with the love story of Romeo and Juliet from the time the two families, the Montagues and Capulets, enter the cathedral in Verona through the first meeting of Romeo and Juliet at the Capulet Ball and the final scenes at Juliet's tomb.

### ROOM FOR DISCUSSION (EB)

**j-h-c-a** 22 minutes B&W: \$4.15

Develops an understanding of the process of discussion and a desire to participate in it. Emphasizes that discussion is the privilege and responsibility of all citizens living in a democracy.

### ROOT DEVELOPMENT (UW)

**j-h-c-a** 9 minutes B&W: \$1.90

The use of microphotography, speeded up 30,000 times, reveals details of root structure and growth. Demonstrates the functions of the root tip, root hairs, and secondary roots.

### ROOTS OF HAPPINESS (IFB)

**h-c-a** 24 minutes B&W: \$4.15

The story of a family living in a poor rural area of Puerto Rico points out the recognizable elements that make a happy atmosphere for family living, particularly the role of the father.

### ROOTS OF PLANTS (EB)

**i-j-h-c** 10 minutes B&W: \$2.15

The various forms of plant roots are first presented. Time lapse and microphotography are employed frequently to bring out the interesting processes of growth, structure, and other characteristics. Functions of the root-cap and the root-hairs are presented. An experiment in osmosis is demonstrated and carefully explained, followed by animation of water absorption by the roots.

### ROSE BOWL GAME OF 1952 (UI)

**general** 36 minutes B&W: \$5.15

Every exciting play of Illinois' 40 to 7 conquest of Stanford in the 1952 Rose Bowl Game. Johnny Karras, Bill Tate, and Tommy O'Connell spark the Illinois offense. See Chuck Boerio's great line backing and watch Bill McColl, giant Stanford end, in action.

### ROTATING MAGNETIC FIELDS (UW)

**h-c-a** 13 minutes B&W: \$2.15

Explains a rotating magnetic field pattern; three-phase winding in a demonstration stator; factors that cause rotation of the magnetic field; and the construction of polyphase motors.

### ROUGH FACING, TURNING AND DRILLING ON THE VERTICAL TURRET LATHE (USOE)

**h-c** 30 minutes B&W: \$3.65

Demonstrates how to operate the controls of a vertical turret lathe; set up tools in main turret head; rough-face and rough-turn an aluminum casting and drill the center hole.

### ROUND TRIP (EB)

**general** 20 minutes B&W: \$3.40

People in different countries and various modes of life discuss world trade. Animation is used to present data concerning the mutual benefits of free trade and to answer the various objections presented.

### ROY, SHEEP DOG OF THE SCOTTISH HIGHLANDS (EB)

**p-i** 18 minutes Color: \$7.00

The exquisite scenes in the hills of Scotland provide the setting for a story with universal appeal—the story of young Jamie's faith in a seemingly useless dog named Roy. Jamie's father is skeptical and amused as the boy daydreams about entering Roy in the sheep dog contest. Nevertheless, Jamie's determination leads to an exciting climax at the contest grounds.

### RUBBER FROM MALAYA (BIS)

**h-c-a** 15 minutes B&W: \$2.25

Traces the various stages in the production of rubber in Malaya and discusses the importance of the industry to the prosperity of the people of Malaya.

### RUBBER FROM OIL (USBM)

**h-c** 36 minutes Color: \$2.15

Depicts development of butyl rubber from small scale experiments to full scale manufacture.

### RUBBER IN TODAY'S WORLD (C)

**j-h** 10 minutes Color: \$3.40

Traces the history of and the major steps in the production of natural and synthetic rubber. Demonstrates the importance of rubber in today's living.



**RUBINSTEIN, HEIFETZ, PIATIGORSKY (WAR)**

**j-h-c-a** 29 minutes **B&W: \$5.15**  
 Life Magazine's famous photo-story about these gifted soloists, when in rehearsal, inspired this intimate photographic study of artists at work. The three men collaborate in the 1st Movement of Schubert's *Trio in B Flat* and the 1st, 2nd, and 3rd Movements of the *Trio in D Minor* by Mendelssohn.

**RUBY-THROATED HUMMINGBIRD (C)**

**p-i-j** 8 minutes **Color: \$2.65**  
 Even when half grown the young hummingbird hardly fills a teaspoon. His diminutive, lichen-covered nest, where the pea-sized eggs are hatched, so nearly resembles a part of the tree that it is seldom discovered.

**RULES AND LAWS (EB)**

**i-j** 14 minutes **B&W: \$3.40**  
 Designed to help boys and girls understand the purpose of laws in our society. Demonstrates that laws in the community are like rules in children's games. A group of youngsters are taught that having rules and abiding by them makes playing together enjoyable for all.

**RUMEN STORY, THE (RPC)**

**h-c-a** 25 minutes **Color: \$2.15**  
 This film explains how the rumen of a cow or a sheep functions. An excellent view of these functions is shown through a window in the stomach of a cow.

**RUMOR (CU)**

**c-a** 6 minutes **B&W: \$2.15**  
 Traces the development of idle rumor into a city-wide riot, and poses the question, "What should be our defense against rumors?"

**RUMPELSTILTSKIN (C)**

**p-i** 10 minutes **B&W: \$2.15, Color: \$3.40**  
 This is the story of a little man who lost his temper. Audiences will follow eagerly the adventures of the fair Juliana and her task of spinning straw into gold.

**RUMPELSTILTSKIN (EB)**

**p-i** 8 minutes **B&W: \$2.15**  
 Much suspense is created in the story about a young queen, a dwarf, a child, and a gardener. A valuable tool to stimulate interest in reading.

**RUNNING BROAD JUMP (TRACK AND FIELD INSTRUCTION SERIES) (RF)**

**j-h-c** 13½ minutes **B&W: \$2.60**  
 Shows principles of the running broad jump. The technique is shown through the analysis of championship-type jumps. With the aid of slow motion, the essential points of form are made vivid. In the film we work with an inexperienced candidate and put him through the drills needed to acquire good form.

**RURAL COMMUNITY DEFENSE (USDA)**

**general** 15 minutes **B&W: \$2.15**  
 If war should come, farmers will play a crucial role in providing America with food, fiber, and shelter. Shows how rural groups can plan to develop community survival plans.

**RURAL LIFE OF MEXICO (C)**

**i-j-h** 10 minutes **Color: \$3.40**  
 In rural Mexico, people maintain the culture of their ancestors. They practice primitive agriculture and follow the same home life, costuming, and traditional dancing of the first Mexican settlers.

**RURAL U.S.A. (THROUGH INDIAN EYES) (FFO)**

**h-c-a** 48 minutes **B&W: \$2.15**  
 An Indian visiting the United States by means of the Ford Foundation studies problems of the American farmer and methods used to overcome these problems.

**RUSSIA (IFF)**

**h-c-a** 24 minutes **Color: \$8.50**  
 Old newsreel footage of life under the Czarist government is contrasted with sequences of the U.S.S.R. today. Depicts life on a collective farm, work in a textile plant, religious worship, scientific research, school and university life, and markets.

**RUSSIA AT WAR (MOT)**

**c-a** 15 minutes **B&W: \$2.90**  
 Presents the U.S.S.R. in terms of war effort against Germany in World War II. Shows Moscow and the eastern limits of the German invasion, gives an idea of the size of the country, shows Russia industrialized for war, and women taking men's places.

**RUSSIAN LIFE TODAY (BFS)**

**j-h-c-a** 22 minutes **Color: \$6.65**  
 Following a good map introduction, the Russian people are shown at work, at home, and on their annual holidays. Includes the large Russian cities—their stores, markets, schools, transportation, and public buildings—and views of the farming communities and village markets which show a different side of Russian life. This film presents current material about a country which now looms larger than ever in importance on the world scene. Its portrayal of a society under rigid state control makes it particularly useful.

**RUTH ST. DENIS AND TED SHAWN (WISDOM SERIES) (EB)**

**j-h** 30 minutes **B&W: \$6.15**  
 Interviews two of the most distinguished founders of the modern dance in America. The conversation covers many phases of their life and work during the past half century and the film features performances of three dances they created which greatly influenced American choreography: "Incense" and "White Nautch" by Miss St. Denis and "Japanese Warrior" by Mr. Shawn.

**RX—THE STORY BEHIND YOUR DOCTOR'S PRESCRIPTION (I)**

**h-c-a** 18 minutes **B&W: \$2.15**  
 A survey of how the resources of chemical and biological sciences contribute to medical services throughout the world. Modern manufacturing methods set up a system of standards and control for ether, preventive vaccines, insulin, and antibiotics. Points out value of a brand name to products.

**RYTHMETIC (NFBC)**

**j-h-c-a** 10 minutes **Color: \$3.00**  
 Artists Norman McLaren and Evelyn Lambart animate the subject of arithmetic with humor. Digits meet in playful encounter and plus, minus and equation signs act as strict disciplinarians. Synthetic sound punctuates the visuals.

**SACRIFICE OF ISAAC (HFE)**

**c-a** 11 minutes **B&W: \$2.15**  
 Portrays the trials of Abram after God has told him to offer his first born son on the altar. When the sacrifice is about to be made, the Lord indicates that Abram is to sacrifice a goat instead.

**SADLER'S WELLS BALLERINA (McGH)**

**j-h-c-a** 11 minutes **Color: \$4.15**  
 Tells the story of a young dancer about to make her debut. Behind her lie countless hours of exercise, study, and rehearsal. Ahead of her, if she succeeds, the role of a featured ballerina. More than the glamour of the theater, this film emphasizes the sacrifice and hard work that underlie any artist's success.

**SAFE AIRCRAFT (CAA)**

**h-c** 24 minutes **B&W: \$2.15**  
 Tells how CAA and the aviation industry work together for safety during the manufacture and maintenance of aircraft. It is a sequel to "A Plane Is Born," but is complete in itself, and will be enjoyable and educational without reference to the preceding film.

**SAFE AIRMEN (CAA)**

**h-c** 22 minutes **B&W: \$2.15**  
 Deals with CAA's aviation safety agents' work toward improvement of flight safety through insistence upon and certification of the proficiency of all airmen.

**SAFE AS YOU MAKE IT (NSC)**

**h-c-a** 10 minutes **B&W: \$2.35**  
 One of the world's largest amusement parks serves as the setting for this humorous appeal for safety. Hair-raising rides, made safe by engineering and strict enforcement of rules, as compared with the average viewer's everyday tasks that can be hazardous through inattention to safe practices.



**SAFE AS YOU THINK (GM)**

**h-c-a** 25 minutes **B&W: \$3.90**

Stresses the need for "safety consciousness" in the minds of all of us at home, in school, on the job, or in the street. It does so by dramatizing the ridiculous chances we all take every day just to save a few seconds; how we risk life and limb on odds that no professional gambler would bet on.

**SAFE BICYCLING (IFB)**

**i-j** 13 minutes **Color: \$4.40**

Teaches safety to all children who respond to its direct appeal to their age level interests. The similar skills and knowledge needed to ride a bicycle or drive a sports car are presented in the opening sequences. How care, courtesy, and common sense cultivated in bike-riding days leads to proficiency and good safety habits later on is demonstrated as the gang goes off on a bicycle hike to a distant picnic grove.

**SAFE DAY, A (JH)**

**h-c** 10 minutes **B&W: \$2.15**

Shows that a good safety record is not based on luck but on constant care. We see a worker applying his knowledge of good safety practices all through the day: at home, in traffic, and in the factory. He encounters many hazards during the day but comes through them all without injury and without causing fellow workers to be injured. Good safety practices are established through example.

**SAFE DRIVING: ADVANCED SKILLS AND PROBLEMS (C)**

**h-c-a** 10 minutes **B&W: \$2.15**

Tells the story of a boy and his father who drive through the mountains and desert while on vacation. The film shows how they meet such problems as hills, fog, rain, snow, ice, heat, and driving at night.

**SAFE DRIVING: CAR MAINTENANCE AND CARE (C)**

**h-c-a** 10 minutes **Color: \$3.40**

By applying simple, non-mechanical techniques of preventive maintenance, Bill Richards lengthens the life of his automobile, reduces repair costs, and insures greater safety while driving. By observing Bill, the audience sees ways by which trouble warnings can be recognized.

**SAFE DRIVING: FUNDAMENTAL SKILLS (C)**

**h-c-a** 11 minutes **B&W: \$2.15**

Tom has just finished his driver training course, and his father takes a ride with him to check his ability. The film gives very detailed and careful explanations of starting, turning, signaling, stopping, and parking.

**SAFE DRIVING: STREETS AND HIGHWAYS (C)**

**h-c-a** 10 minutes **B&W: \$2.15**

Problems of city, suburban, and highway driving are shown and used to explain the principle of "driving ahead." Some of the specific problems and skills shown are: series signals, lanes, railroad crossings, passing, curves, and traffic circles.

**SAFE DRIVING: TECHNIQUES OF THE SKILLFUL DRIVER (C)**

**h-c-a** 10 minutes **Color: \$3.40**

Bill Richards shows his former driving instructor his skill in handling an automobile. This ability has developed from continued practice and effort to improve skills Bill learned in school.

**SAFE DRIVING: THE DEFENSIVE DRIVER (C)**

**h-c-a** 9 minutes **Color: \$3.40**

Before Bill can use the family automobile, he must prove to his father his responsibility behind the wheel. In demonstrating his skills, Bill shows that anticipating the possible danger in each situation is the basis for responsible, skillful, safe defensive driving.

**SAFE FLIGHT OPERATIONS (CAA)**

**h-c** 18 minutes **B&W: \$2.15**

Relates some of the steps taken by CAB, CAA, and the aviation industry to further safe flight operations. Specific activities of the CAA aviation safety agent in this endeavor are highlighted.

**SAFE LIVING AT HOME (C)**

**i-j** 10 minutes **B&W: \$2.15**

A family preparing to welcome home a new baby shows that safety is a family concern, and how good housekeeping, think-

ing of the safety of others in the family, and being safe by being skillful, help keep the home safe. Activities for classroom safety practices are suggested.

**SAFE LIVING AT SCHOOL (C)**

**p-i-j** 10 minutes **B&W: \$2.15**

Ted and Ruth are elected to the Junior Safety Council. We go with them on a "safety tour" to see the safety features of their school and to learn what students can do at school to live safely. With emphasis on three basic safe living principles: courtesy, good housekeeping, skillful and correct actions.

**SAFE LIVING IN YOUR COMMUNITY (C)**

**p-i-j** 11 minutes **B&W: \$2.15**

The need for carrying into the community safety practices learned at school is dramatized as the school safety council discovers that school rules of good housekeeping, good citizenship, and good safety practices will keep the community safe.

**SAFE SWIMMING (GPP)**

**i-j-h-a** 10 minutes **B&W: \$2.15**

An appeal to youngsters to swim in supervised places where there is lifeguard protection rather than in the treacherous unsupervised areas. Health information is combined with the appeal to safety.

**SAFE USE OF TOOLS (C)**

**p-i-j** 8 minutes **B&W: \$1.65**

Knives, saws, and files, as well as rakes, shovels, and other gardening instruments need not be dangerous in the hands of children if they are used with proper caution. Here are the rules for the safe use of these tools.

**SAFEGUARDING THE MILK FOR MILLIONS (PCA)**

**h-c-a** 29 minutes **Color: N.C.**

Sanitation is all-important in the production of milk for consumers. From clean pastures, barnyards, and barns, there is little chance for milk to become contaminated on the modern dairy farm. Each step of the way—from the cow to the consumer's table—precautions are taken to assure clean, safe milk. Details of each step are shown in the film.

**SAFELY TO SCHOOL (PFI)**

**c-a** 10 minutes **Color: \$3.60**

Designed as a tool for teachers in the primary grades in their vital task of preventing accidents by giving understanding to little minds of the right way to avoid street dangers. The approach is positive. The meaning of stop signs: of red, yellow and green lights; and of the signals of crossing guards—these are the essentials taught by the film.

**SAFEST WAY (AAA)**

**p-i** 17 minutes **B&W: \$3.15**

Shows how children are taught to plan their own "safest way."

**SAFETY ADVENTURES OUT OF DOORS (EB)**

**p-i** 11 minutes **Color: \$3.80**

To have a really good time out of doors, it is important to know how to play safe—swimming and boating, camping, and on playgrounds. The film offers examples of good safety habits and stresses important safety points with rhymed slogans.

**SAFETY BEGINS AT HOME (YA)**

**i-j** 10 minutes **B&W: \$2.15**

Bill, walking across his yard at home, has to be as careful as Daniel Boone was in the forest. There are many ways in which accidents can happen at home, and the film shows how to avoid them: how to handle knives, how to use ladders, etc. At the end, the narrator of the film asks questions which help fix main safety points of the film in the minds of the audience.

**SAFETY IN AIR STATIONS (CAA)**

**h-c** 11 minutes **B&W: \$2.15**

Designed to impress air station employees with the fact that accidents can be prevented by sensible application of safety rules. Cites several examples and notes how each accident was the result of carelessness. As two sailors discuss safety they note that a fatal casualty occurs every 20 minutes while the less serious cases occur constantly. A visit to the dispensary to see three accident victims and hear each tell his story shows that each case is the result of carelessness about safety rules



and thoughtlessness. Cites the story of George Hansen, a likely hero just finishing up for the day. He is noted for his carefulness, but because he overlooked one hazard, oil on the wing of a plane, he loses his life, and another family is struck with tragedy.

#### **SAFETY IN AVIATION (CAA)**

**h-c** 30 minutes **B&W: \$2.15**

An overview of many of the activities engaged in by the Aviation Industry, CAA and CAB in furthering safety in aviation.

#### **SAFETY IN THE CHEMISTRY LABORATORY (IU)**

**h-c** 15 minutes **B&W: \$3.75**

Presents basic safety rules as high school students perform simple experiments. The use of laboratory aprons, safety goggles, and the laboratory manual is shown and explained. Also pictures such safety measures as the necessity for following directions, reading carefully the labels on bottles, the use of a fume hood, and the avoidance of tasting chemicals.

#### **SAFETY IN THE HOME (EB)**

**p-i-j** 13 minutes **B&W: \$2.65**

A dramatization showing how a typical American family carries out a safety program in the home. Every object has its place; Junior hands knife with blade away from receiver, nonslip material under rugs, medicine cabinet placed out of reach of children, etc. The commentator closes with the statement: "The home should be a haven of safety."

#### **SAFETY IN THE SHOP (USOE)**

**a** 11 minutes **B&W: \$1.65**

Dramatizes typical shop accidents and shows how poor supervision or inadequate training may be the real cause behind them. Emphasizes the supervisor's responsibility in teaching and maintaining safe practices in the shop.

#### **SAFETY IN WINTER (C)**

**p-i-j** 10 minutes **B&W: \$2.25**

A number of youngsters demonstrate that being "weatherwise" in winter means being alert to special seasonal dangers of falling, traffic, sickness. Having fun by safe sledding, snowballing, and ice skating is illustrated.

#### **SAFETY ON OUR SCHOOL BUS (EB)**

**p-i-j** 11 minutes **B&W: \$2.15**

A bus driver illustrates the rules of courtesy and safety.

#### **SAFETY ON THE PLAYGROUND (EB)**

**p** 14 minutes **B&W: \$3.15, Color: \$5.15**

Centering around the activities of an active youngster, this film illustrates good habits of playground safety. Live action photography and clever animated drawings portray safe practices in catching and batting softballs, and playing on seesaws, slides, and swings.

#### **SAFETY ON THE SCHOOL BUS (YA)**

**i-j** 10 minutes **B&W: \$2.15**

Discusses and demonstrates important safety problems and practices for school children while on the bus and while going to and from the bus. Emphasizes safe conduct on the bus.

#### **SAFETY ON THE STREET (EB)**

**p-i** 10 minutes **B&W: \$2.15**

Intended to encourage habits of safety while on the way to and from school. Weaves information on street safety into a story of rivalry between two school children for a place on the school safety patrol.

#### **SAFETY ON THE WAY TO SCHOOL (C)**

**p-i** 11 minutes **B&W: \$2.15**

A lesson in safety which includes a map of the safest route to school, discussion of the many skills needed to walk safely to school, how to ride safely in the bus or in a car, and other activities centering around how to go to and from school.

#### **SAFETY—OUR NUMBER ONE CROP (GM)**

**j-h** 22 minutes **B&W: \$2.15**

This is a farm safety film for 4-H groups, produced by General Motors in cooperation with the USDA Extension Service, the National Committee on Boys and Girls Club Work, and the Farm Division of the National Safety Council. It shows national winners in the 4-H safety contest, and shows why they won awards. It also demonstrates definite safety projects that can be carried on in the home, hazards that can be eliminated, and how to live safely with hazards that cannot be eliminated.

#### **SAFETY PATROL (JH)**

**i-j-h** 10 minutes **B&W: \$2.15**

Schoolboy safety patrol on duty—rules for pedestrian safety.

#### **SAFETY PRECAUTIONS FOR ELECTRONICS PERSONNEL (CAA)**

**h-c** 20 minutes **B&W: \$2.15**

Describes the basic safety precautions that should be followed to avoid needless injuries and fatalities from electrical shocks when working on electronic equipment. Examples of the working habits of various electronic personnel are portrayed to dramatize the need for giving constant attention to one's surroundings, lighting, tools, safety equipment, etc.

#### **SAFETY TO AND FROM SCHOOL (YA)**

**p** 7 minutes **B&W: \$2.15**

How and where to cross the street safely is explained. A class practices crossing streets in a blocked off area with simulated traffic conditions, and two children cross alone where they must rely on their own observation.

#### **SAFETY WITH EVERYDAY TOOLS (C)**

**p-i-j** 10 minutes **B&W: \$2.15**

This film develops three safety rules: keep tools neatly, use the right tool, and use tools correctly. It shows how these standards can be used in many situations at home and at school, and helps children safely use scissors, pocket knives, kitchen utensils, saws, and numerous other tools.

#### **SAILING A TOY BOAT (EB)**

**p** 5 minutes **Color: \$2.40**

Frank is thrilled over the bright new toy sailboat his father has given him. He learns how to sail his boat on the pond.

#### **ST. LAWRENCE SEAWAY (EB)**

**j-h-c-a** 16 minutes **Color: \$5.60**

This film traces the history of the St. Lawrence seaway from planning to completion; describes the construction and operation of the seaway's canals, locks and power dams; and shows how the seaway has affected world trade, transportation, and economic condition.

#### **SALEM WITCH TRIALS, THE (YOU ARE THERE) (CBS)**

**j-h-c-a** 27 minutes **B&W: \$5.85**

August, 1692, Salem Village is in a ferment of fear and hysteria as the witchhunt continues. The trials of George Burroughs and Mary Eastey epitomize the evil that hangs over citizens as hysterical young girls accuse innocent people of being witches, a course of events that led to the execution of twenty people for witchcraft in Salem. A dramatic insight into an unfortunate period in colonial life.

#### **SALESMANSHIP SERIES: APPROACH (McGH)**

**c-a** 11 minutes **B&W: \$2.35**

Illustrates the principles of the affirmative approach and compares its results with those of a negative approach.

#### **SALESMANSHIP SERIES: MAKING THAT SALE (McGH)**

**c-a** 17 minutes **B&W: \$3.35**

Provides a quick review of the steps leading up to the close of the sale.

#### **SALESMANSHIP SERIES: THE PREAPPROACH (McGH)**

**c-a** 10 minutes **B&W: \$2.35**

The principles for the correct preapproach are demonstrated. Shows what happens if the wrong approach is used and the results of the right planning for the approach.

#### **SALESMANSHIP SERIES: PROSPECTING (McGH)**

**c-a** 10 minutes **B&W: \$2.35**

The proper principles for prospecting are shown. A demonstration is given as to what will happen if the prospecting isn't done in the correct manner and what will happen if it is done correctly.

#### **SALMON RUN (NFBC)**

**j-h-c-a** 22 minutes **Color: \$5.65**

Shows the salmon industry of British Columbia and the state of Washington, with particular emphasis on the life cycle of the Sockeye salmon, its spawning habits, and conservation measures.



**SALMON STORY (EB)**

i-j 10 minutes Color: \$3.35  
Portrays the life cycle of the salmon and calls attention to the steps that are taken to assure a continuing supply of this important food fish. Shows the "purse seine" method of catching salmon and follows the catch from the sea to the cannery.

**SALT WATER WONDERLAND (SF)**

general 11 minutes Color: \$3.15  
Photographed at the Marine Studios in Florida. Pictures the color and spectacular action of marine life around a coral reef. Close-ups of weird sea monsters, polyps feeding, octopi, barracuda, porpoise, etc., are shown.

**SALUTE TO SOUSA (NFBC)**

j-h-c-a 9 minutes Color: \$3.40  
A 350-piece band performs Sousa compositions, including *The Stars and Stripes Forever*.

**SALZBURG (GA)**

h-c-a 17 minutes B&W: \$4.15  
Presents the birthplace of Wolfgang Amadeus Mozart and captures the atmosphere of his times. Symphonic background score, drawn from Mozart compositions.

**SAMPAN FAMILY (McGH)**

j-h-c-a 16 minutes B&W: \$4.15  
Presents the story of families who live and make their living aboard the small Chinese river boats known as Sampans. Pictures the Ling family as they work together doing fishing activities, housekeeping chores, preparation of food, sewing of children's clothing, drying of nets and the rowing of the boat to the night's anchorage.

**SANDY STEPS OUT (SF)**

p-i 9 minutes B&W: \$1.65  
This is a nature study film designed to familiarize children with chickens, ducks, lambs, and other animals of the farm and countryside. It is a particularly good film for youngsters who seldom see country or farm life.

**SANTA AND THE FAIRY SNOW QUEEN (EB)**

p-i 29 minutes Color: \$10.15  
The Fairy Snow Queen gives life to Santa's dolls on Christmas Eve. Jack-in-the-box, Toy Soldier, Musical Doll, and other dolls dance and sing for Santa to the music of Tchaikovsky's "Nutcracker Suite" and "The Sleeping Beauty." Snoopy the Brownie tells us that he visits toys every night to see if they're being well treated by the children who own them.

**SANTA CLAUS (PUNCH AND JUDY) (UW)**

general 9 minutes B&W: \$2.15  
A special Christmas version of the puppet classic with Santa Claus as the master of ceremonies.

**SANTA IN ANIMAL LAND (UW)**

p 9 minutes B&W: \$2.15, Color: \$3.40  
The animals are grieved because there is no Santa for the animals. Two of them go to find Santa. Santa appoints Kitty Cat as Santa for animals. Kitty comes down the chimney with presents for all the animals and they are happy to find that there is a Santa for animals.

**SATURDAY SPECTACLE (UI)**

j-h-c-a 23 minutes Color: \$7.30  
The University of Illinois Football Band is as much a part of the Saturday-afternoon fall spectacle as the football team itself. The film shows scenes of many of the band's most famous formations.

**SAUGUS IRONWORKS RESTORATION (HK)**

j-h-c-a 18 minutes Color: \$2.15  
An extensive account of the reconstruction of America's first successful iron works founded in Saugus in 1646. When the ruins were to be moved to another site, a group of citizens who realized its historical importance sponsored its restoration. Describes the artifacts and archeological findings, the rebuilding of the forge, furnace, and slitting mill, and contrasts factory with the modern steel industry.

**SAVE MORE LAMBS (USDA)**

h-c-a 8 minutes B&W: \$2.15  
Many lambs are born dead or die shortly after birth. This can be prevented in many cases by good care of pregnant ewes. A

balanced diet is very important, as well as some degree of isolation from the rest of the flock. Film shows some abnormal positions of unborn lambs in the uterus and how the shepherd can assist in such cases. Care of the lambs after birth is also shown.

**SAVE THOSE TEETH (EB)**

i-j 10 minutes B&W: \$2.15  
Emphasizes the importance of proper cleaning in the care of teeth, and illustrates how the teeth are affected by excessive use of refined sugar. Identifies the kind of bacteria that change sugar to acid in the mouth. Demonstrates the use of sodium fluoride solution in the prevention of tooth decay and prescribes specific rules to be followed in the care of teeth.

**SAVING LITTLE PIGS (UPRR)**

h-c-a 11 minutes Color: \$2.15  
Illustrates the correct procedures to be followed in preparing the sow for the period of confinement before birth of her new litter. The suggestions made contribute toward saving more pigs per litter and having healthy, fast growing pigs, thereby increasing profits.

**SAVIOR IS BORN (FF)**

i-j-h-c-a 26 minutes Color: \$5.35  
The familiar Christmas story: the prophecy of Micah; the journey to Bethlehem; and the conspiracy of Herod.

**SAWDUST SIDELIGHTS (TFC)**

p-i-j-h 11 minutes B&W: \$2.15  
Presents the Ringling Brothers Barnum and Bailey Circus at winter quarters, in transit, and in performance. Shows the birds and beasts of the menagerie; the training of a troupe of zebras in the ring; high-stepping and dancing horses; elephants dancing and working; performers rehearsing on slack wire and trapeze; a girl spinning cartwheels; a snake charmer before her tent; and aborigine dancing. *Restricted to Classroom Use.*

**SAWING TEMPLATE METAL (UW)**

h-a 16 minutes B&W: \$2.90  
Demonstrates how to use a job selector chart for width, pitch, set of teeth, and speed; how to identify raker, wave, and straight teeth; how to mount a saw blade on a band saw; how to select and adjust blade guides; how to saw to a layout line; how to chew out metal from a notch; and how to remove burrs.

**SAWING WITH A JIG AND CHANGING BAND (UW)**

h-c-a 11 minutes B&W: \$2.90  
Pictures how to select the proper band saw blades for the job; how to change blades; how to fold blades for storage; how to adjust saw guides; how to mark stock and cut to the mark; how to prepare a jig; and how to cut discs using a jig.

**SAXOPHONE IN CONCERT, THE (AF)**

h-c-a 10 minutes B&W: \$2.15  
The possibilities of the saxophone as a solo instrument are demonstrated by the famous saxophonist, Sigurd Rascher. He plays four works, ranging from a selection by Purcell to a rumba by the well-known composer, Maurice Whitney.

**SAY WHAT YOU MEAN (McGH)**

h-c-a 21 minutes B&W: \$4.40  
This film takes up language as the principal instrument of communication by speech. Dramatizing events in the life of a student and other members of a college speech class, the film shows how to choose language that clearly states an idea, is appropriate for the listener, and is interesting and forceful. An imaginative ending to the film advises: "Be your own listener—to be sure that you say what you mean."

**SCANDINAVIA—NORWAY, SWEDEN, DENMARK (EB)**

general 16 minutes B&W: \$3.65  
Portrays the Scandinavian countries as an important region of northern Europe and illustrates their distinctive way of life. Shows ways in which the physical geography of the region influences the economic activities of the people. Illustrates typical features of the daily lives of three representative Scandinavians: a Norwegian ship's officer, a Danish farmer, and a Swedish shipyard worker.

**SCANDINAVIAN LANDS: NORWAY, SWEDEN, DENMARK (C)**

i-j 11 minutes B&W: \$2.25, Color: \$3.40  
An introduction to the geography, the people, and the life in the three Scandinavian countries—Norway, Sweden, and Denmark.



**SCHOOL ACTIVITIES AND YOU (C)**

j-h 9 minutes B&W: \$2.25  
A high school girl is planning her school activity program. Through the advice of her older brother, she learns the importance of choosing activities for their values by considering what she can learn, what her interests are, how much time she can give, and how to arrange a well-balanced program.

**SCHOOL AND THE COMMUNITY, THE (AMERICAN PUBLIC EDUCATION SERIES) (McGH)**

c-a 13 minutes B&W: \$3.75  
Discusses the problem of the wall of separation between schools and the community and the losses which both suffer. Argues that teachers, parents, school officials, and the citizens must share the responsibility for bringing them together. Shows the benefits which both the school and the community obtain when they cooperate.

**SCHOOL BOARD IN ACTION (AGR)**

c-a 25 minutes Color: \$6.65  
Shows the workings of the school board with citizens in handling such problems as censorship of textbooks, salaries of teachers, selection of candidates for the school board, and discussion of a bond issue for a new school.

**SCHOOL BUS AND YOU (PRP)**

general 11 minutes B&W: \$2.15  
Correct procedures for boarding and leaving school and public buses, when and where to cross the street, and the password game of safety slogans and many other safety practices are illustrated. The functions of the Junior Patrol are shown, and their services are explained as they direct the children across at intersections, maintain order at the bus stops, and assist the bus driver in loading and unloading.

**SCHOOL BUS OPERATION: BUS CARE AND MAINTENANCE, PART I (UW)**

h-a 13 minutes B&W: \$2.15  
Illustrates the importance of daily and weekly maintenance checks. Shows how to start, steer, and stop the bus; how to double clutch; and the importance of safe driving habits.

**SCHOOL BUS OPERATION: PASSENGERS—DRIVING HAZARDS—SAFETY, PART II (UW)**

h-a 13 minutes B&W: \$2.15  
Emphasizes the driver's responsibility for the safety of child passengers and shows through several typical situations safe driving habits and safety in handling children getting on and off the bus.

**SCHOOL BUS SAFETY (VDE)**

general 18 minutes B&W: \$3.15  
Shows school bus operation and maintenance, and emphasizes the correct usage of school bus safety patrols.

**SCHOOL COURTESY (IFI)**

i-j 18 minutes B&W: \$3.65  
Illustrates the value of courtesy in the schoolroom by depicting two small children's first day in school.

**SCHOOL HEALTH IN ACTION (O)**

h-c-a 25 minutes B&W: \$4.95  
Shows how voluntary local health groups composed of parents and local professional people can work to achieve a healthful environment, health instruction, and health services in the school.

**SCHOOL IN CENTERVILLE (SEFP)**

c-a 19 minutes B&W: \$3.95  
Shows how education in rural schools can be geared to the problems of living in the community. Seventh grade classes are seen in action at a multi-teacher rural school in Virginia. Students are at work on projects which relate both to their need for knowledge and to the future roles they will take in the community they live in. Emphasizes the need for taking into consideration individual differences in interests and aptitudes.

**SCHOOL RULES: HOW THEY HELP US (C)**

i-j 9 minutes B&W: \$2.15  
Scenes show everyday rules in action on the city street, on the basketball court, and in the school halls. When a boy tries to make an exception to the library rules, the audience sees by analogy and example that school rules are ways to make life in school smoother and more pleasant, to facilitate fairness and safety for all, and to make it easier for people to get along together.

**SCHOOL SAFETY COMMITTEE (SD)**

p-i 14 minutes B&W: \$3.35  
A new boy at school learns the function of the school safety committee in which students patrol dangerous intersections, report violations, and have meetings to discuss safety problems.

**SCHOOL SOCIAL WORKER (USC)**

c-a 24 minutes B&W: \$4.15  
Portrays the efforts of the school social worker with teachers, parents, and others in helping children resolve social problems that interfere with school adjustment, learning and attendance in school. Presents case stories of several different age children.

**SCHOOL SPIRIT AND SPORTSMANSHIP (C)**

j-h 10 minutes B&W: \$2.25  
When a high school basketball team plans retaliation against a rival school, the question of school spirit and sportsmanship is raised. The film stresses the idea that the actions of individuals reflect upon the spirit of the entire school.

**SCHOOL—THE CHILD'S COMMUNITY (WU)**

c-a 17 minutes B&W: \$3.65  
Presents the many ways a school can encourage children to accept responsibilities and share in the making of decisions that concern them by showing student participation in the "community" activities of an elementary school.

**SCHOOLHOUSE IN THE RED (EB)**

j-h-c-a 30 minutes Color: \$8.65  
Contrasts the activities of a typical one-room schoolhouse with those of a consolidated-type school, and shows how one community group went about solving the problem of what would be best for its children.

**SCHOOLS MARCH ON (MOT)**

c-a 18 minutes B&W: \$3.15  
The story of what happened in Woodford County, Illinois, when out-moded one-room schools were eliminated and substituted by reorganization and consolidation. The results are larger units of well-equipped and well-staffed schools. Through the efforts of local educators and interested citizens, the children of this community are being prepared to face the responsibility of citizenship in the future.

**SCHOOLS OF MEXICO (C)**

h-c 11 minutes Color: \$3.00  
A comprehensive view of Mexican educational institutions from the modern Ministry of Education in Mexico City to remote one-room adobe schools in the rural interior.

**SCHOOLS TO THE SOUTH (OIAA)**

j-h-c 15 minutes B&W: \$2.65  
An inside view of the schools in Latin America is revealed in this film. Shows the trends to improve their educational system.

**SCHUBERT AND HIS MUSIC (C)**

i-j-h-c-a 14 minutes B&W: \$2.65, Color: \$4.15  
Presents a brief biographical sketch of Schubert and a cultural survey of his time. This blending of melodious music and Viennese settings will develop a greater understanding of Schubert and the spirit of romanticism. Contains several selections from his compositions, including "The Linden Tree," "Serenade," and the "Unfinished Symphony."

**SCHUMANN STORY (TFC)**

j-h-c 34 minutes B&W: \$4.65  
Adapted from the feature film "Song of Love." Presents the story of Robert Schumann's immortal compositions and the devotion of his wife, Clara. Schumann won limited recognition in his lifetime as evidenced in this film by the approval of Liszt, his contemporary, and Brahms, his pupil. Shows that it is mental infirmity which overtook Schumann near the end of his life. *Restricted to Classroom Use.*

**SCHWEINFURT (AIR POWER SERIES) (CBS)**

h-c-a 28 minutes B&W: \$5.65  
A picture of the massive air raid staged by American B-17 bombers against German ball bearing industry that ended in one of the greatest defeats the U. S. Air Force suffered over Germany during World War II.

**SCIENCE AND AGRICULTURE (EB)**

j-h-a 9 minutes B&W: \$2.15  
Indicates the interdependence of science and agriculture in modern life. Traces the soybean from its cultivation in China



through its culture and use in the United States, and describes the plant's characteristics and its value to soil conservation. Reproduced conversations treat problems of its cultivation and harvest. Processes of extracting soybean oil and the preparation and use of soybean by-products in home and industry are shown.

## SCIENCE AND SUPERSTITION (C)

**i** 11 minutes B&W: \$2.15, Color: \$3.40  
A changing point of view in the philosophy of science education is reflected in this film. The scientific method proves that superstitions about the ground hog, rabbit's foot, etc., are inaccurate. The film is intended to teach pupils how to use the scientific method in thinking.

## SCIENCE AND WOOD UTILIZATION (C)

**i-j** 5 minutes Color: \$2.15  
Science is doing its part to save the nation's forests by finding new uses for small size and second growth trees, root species, and the waste ordinarily occurring with the conversion of trees into commodities.

## SCIENCE FAIR (IFB)

**j-h** 14 minutes Color: \$5.00  
A variety of examples illustrating the discovery of project ideas, securing equipment, and the carrying out of projects are shown. Actual science projects and science fair backgrounds are used to demonstrate such things as data books, displays and judging procedures. Planning sessions are shown to acquaint sponsors, chairmen and assistants with some details encountered in organizing and conducting fairs.

## SCIENCE IN BUSINESS (EP)

**h-c-a** 15 minutes B&W: \$2.15  
Charts the growth of scientific discovery and development. Shows Dr. Langmuir in some experiments with molecules. Shifts from the growth of scientific discoveries in chemistry, metals, and the use of science in traffic control to the growth of the poll method in scientifically charting the characteristics of the American people.

## SCIENCE IN SPACE (PLANET EARTH SERIES) (McGH)

**j-h** 30 minutes Color: \$7.00  
Significant discoveries of modern space science are shown, including the Van Allen radiation belts. Radio and optical methods of tracking satellites, the telemetry of data from satellites and space probes to earth, and the analysis of these data are stresser. The significance of satellite and space probes to man's understanding of the cosmos is underlined.

## SCIENCE IN THE ORCHESTRA: PART I, HEARING THE ORCHESTRA (BIS)

**i-j-h** 13 minutes B&W: \$2.65  
The nature of sound, as demonstrated by the London Symphony Orchestra under Muir Mathieson's direction. A group of boys and girls assist in the demonstrations and experiments. Animation and various pieces of laboratory equipment aid the orchestra in showing how sound is produced and propagated by vibration. An examination of the functions of the human ear show how we hear.

## SCIENCE IN THE ORCHESTRA: PART II, EXPLORING THE INSTRUMENTS (BIS)

**i-j-h** 14 minutes B&W: \$2.65  
The London Symphony Orchestra and Conductor Muir Mathieson show how sound vibrations are produced in percussion, string, woodwind, and brass instruments. The tonal ranges of these instruments are heard, while being pictured on a large, illuminated staff.

## SCIENCE IN THE ORCHESTRA: PART III, LOOKING AT SOUNDS (BIS)

**i-j-h** 12 minutes B&W: \$2.40  
Through use of the audiospectrometer, Muir Mathieson and the London Symphony Orchestra show how different instruments, sounding the same fundamental tone, produce sounds differing in quality. Via demonstration, the meaning of quality—fundamental and harmonic—is made clear.

## SCIENCE OF LIGHT (CW)

**p-i** 11 minutes Color: \$3.60  
This film explains the basic principles of light and sight, and then demonstrates them through experiments. The film deals with how we see, the speed of light, absorption, reflection, and refraction. Some of the experiments are especially good.

## SCIENCE OF THE SEA (IFB)

**h-c-a** 19 minutes Color: \$6.55  
Describes the relationship of the ocean to man's life, his food, and his weather. Discusses the science of oceanography and its broad areas of interest.

## SCIENCE PROJECT (IFB)

**j-h** 14 minutes Color: \$5.00  
Records the adventure of a boy building his first science project. After seeing scientists working with computers, he decides to build a simple computer. He asks questions; scientists, teachers, and reference books furnish answers. After hours of reading, planning, hammering, and soldering, the project is successful because of the boy's thorough research in the planning stages. He submits a written report to his science teacher, and exhibits his project at the science fair.

## SCIENCE SPINS A YARN (AVC)

**h-c-a** 28 minutes Color: \$2.15  
Shows our first man-made fiber and compares it to how rayon is made today. Depicts the role of research and laboratory experiments in the development of synthetic fibers.

## SCIENTIFIC METHOD, THE (EB)

**j-h** 12 minutes B&W: \$2.35, Color: \$3.40  
Dramatizes steps in the process of thinking known as the scientific method. Explains the principles of thought employed by all scientists and illustrates the utilization of these principles in everyday living.

## SCIENTIFIC METHOD IN ACTION (IFB)

**j-h** 22 minutes Color: \$6.55  
Illustrates the six steps in the scientific method using Galileo's experiment with falling bodies and a detailed treatment of the research by Dr. Jonas Salk in his search for a polio vaccine. Steps shown are: observing a problem, collecting information, forming an hypothesis, conducting experiments, drawing conclusions, and checking conclusions. Illustrates the use of the scientific method in daily activities.

## SCOTLAND: BACKGROUND OF LITERATURE (C)

**j-h-c** 10 minutes B&W: \$2.15, Color: \$3.40  
Helps students understand that rugged country so they can better appreciate the spirit that springs from the land—Scotland's proud, impetuous romanticism—the inspiration of men like Scott, Burns, Stevenson, and Daniel Defoe.

## SCOTTISH MINER (McGH)

**j-h-c-a** 14 minutes Color: \$5.05  
The life of a typical miner—follows him through his working day and then to his home. Shows the difficult working conditions in the mines, the shortage of workers despite modern improvements, the food and housing shortage, and the generally unappealing nature of the mining job despite its relatively high pay.

## SCOTTISH UNIVERSITIES (BIS)

**c-a** 22 minutes B&W: \$2.65  
For five centuries, St. Andrew's, Glasgow, Aberdeen, and Edinburgh have served the youth of Scotland and of the world. The film tells the story of the foundation and growth of these universities, and surveys the current problems of maintaining a very high standard of learning in spite of heavy overcrowding.

## SCRAPIE (USDA)

**c-a** 7 minutes Color: \$2.15  
Relates the diagnosis, symptoms, and precautionary methods that should be taken with sheep to eliminate and cure this disease.

## SCRAPING FLAT SURFACES (UW)

**h-c-a** 14 minutes B&W: \$2.65  
The operations, methods, and procedures used in hand scraping flat surfaces to a surface plate are explained. Handscraping a fuel pump body to produce a liquid-tight joint is the problem. Five common forms of hand scrapers are shown.

## SCREEN ACTORS, THE (TFC)

**h-c-a** 9 minutes B&W: \$1.65  
Motion picture actors are seen in their homes, conducting important business of their craft through the Screen Actors Guild, and meeting the problems of everyday living the same as other citizens. *Restricted to Classroom Use.*



**SCREEN DIRECTOR (TFC)**

h-c-a 9 minutes B&amp;W: \$1.65

Produced in cooperation with the Academy of Motion Picture Arts and Sciences, this film follows a typical director through his work and watches him weave the many threads of the motion picture process into a moving, vital film. *Restricted to Classroom Use.*

**SCREEN MAGAZINE (HELP FOR PAKISTAN) (UNFD)**

j-h-c-a 11 minutes B&amp;W: \$2.15

Shows the needs which exist in Pakistan and the aid received from the United Nations Children's Emergency Fund and the Technical Assistance Program.

**SCREEN MAGAZINE (THAILAND'S STREAMS OF LIFE) (UNFD)**

j-h-c-a 10 minutes B&amp;W: \$2.15

Describes three Technical Assistance projects taking place on the waterways of Thailand: measurements of the river barges so that building plans could be drawn and made available to other countries, improving their already well-advanced irrigation and flood control projects, and experts from the Economic Commission for Asia and the Far East helping in the construction of the great Chao Phya River dam.

**SCREEN WRITER (TFC)**

h-c-a 10 minutes B&amp;W: \$1.65

Produced in cooperation with the Academy of Motion Picture Arts and Sciences, this film explains the work of a screen writer in the production of a feature motion picture. Depicts the typical writer and analyzes his job. *Restricted to Classroom Use.*

**SCREWBALL, THE (UW)**

general 8 minutes B&amp;W: \$1.65

Woody Woodpecker goes to a baseball game.

**SCULPTOR SPEAKS, A (LJ)**

j-h-c-a 18 minutes Color: \$5.35

Deals with the life, work, and ideas of the American artist, Chaim Gross. Presents the technique and aims of this craftsman in stone and wood.

**SCULPTURE OF LAND BY RIVERS (SILENT) (FOC)**

j-h-c 15 minutes B&amp;W: \$1.40

A study of the erosion of the earth's surface by running water. Enables a student to get a good conception of the relentless wear upon the land surface by water from views of the Dells of Wisconsin, Grand Canyon, and Ausable Chasm. A laboratory experiment on how a river does its work is shown.

**SCUTTLE OF THE GRAF SPEE, THE (YOU ARE THERE) (CBS)**

j-h-c-a 27 minutes B&amp;W: \$5.85

Reconstructs the events of December 17, 1939, when the German pocket battleship Graf Spee, damaged in action with British ships in the South Atlantic, sought refuge in the neutral port of Montevideo, Uruguay. Ordered to leave the port, the Germans abandon and blow up their battleship rather than resume the battle with the British ships waiting outside the harbor.

**SEA, THE (TFC)**

i-j-h 9 minutes B&amp;W: \$1.90

Underwater photography shows marine worms, crabs, sea anemones, and sea urchins. Specifically illustrated are: a hermit crab hunting for a new shell, barnacles kicking food into their mouths with their feet, and an octopus escaping from a crab by clouding the water with an inky material. *Restricted to Classroom Use.*

**SEA ADVENTURES OF SANDY THE SNAIL (EB)**

p-i-a 14 minutes Color: \$5.00

Adventures of a snail told with finger painting. Shows animals encountered in an aquarium and in the ocean.

**SEA, THE: BACKGROUND FOR LITERATURE (C)**

j-h 10 minutes B&amp;W: \$2.25, Color: \$3.60

A young sailor's life of the sea provokes a study of literature revealing its many aspects. Visualized in the survey are dramatic excerpts from "The Rime of the Ancient Mariner," "Crossing the Bar," and "Mutiny on the Bounty," as well as re-enactments of key scenes from "Captains Courageous," "Two Years Before the Mast," "The Journals of Captain Cook," "Treasure Island," and "Moby Dick."

**SEA LION BASEBALL TEAM (COF)**

p-i-j 12 minutes B&amp;W: \$2.15

Little brother watches the sea lions catch fish which are thrown to them. He makes up his mind that if they can do so well even without hands, he will imitate their ways and learn how to be a good baseball catcher. He does and is rewarded by becoming the official catcher on the baseball team.

**SEA OF GRASS (TFC)**

general 11 minutes B&amp;W: \$1.90

Condensed version of the feature film of the same name. Presents the basis of the argument between the cattlemen and farmers in the early west, when the cattlemen wanted to keep the range open and in grass and the farmers wanted to fence it in and plow it. *Restricted to Classroom Use.*

**SEA RESCUE EQUIPMENT FOR AIRPLANE CREWS—INSPECTION AND MAINTENANCE (CAA)**

c 22 minutes B&amp;W: \$2.15

Depicts a pilot bailing out, hitting the water and using his life vest. Shows how vests are inspected prior to issue; how a cold patch is applied; inspecting the life raft; checking the survival kit; inspecting the CO<sub>2</sub> cylinder; packing the raft and stowing it in the airplane raft compartment.

**SEA RESCUE EQUIPMENT FOR AIRPLANE CREWS—ONE MAN SEA RESCUE EQUIPMENT (CAA)**

c 11 minutes B&amp;W: \$2.15

Demonstrates the preflight inspection of the one-man sea rescue equipment and then shows how it is used during actual emergency conditions.

**SEA SHELL ANIMALS (FA)**

i-j 11 minutes Color: \$3.40

Photographed under the direction of Kenneth Norris, Curator of the Oceanarium, this interesting marine life study revolves around mollusks or shelled animals. Excellent photography covers the life in the oceanarium.

**SEA URCHIN (UW)**

h-c-a 10 minutes B&amp;W: \$2.15

Shows the life cycle of the sea urchin, the near relative to the starfish. Structures of the male and the female are compared and the process of fertilization is shown. Segmentation, metamorphosis, and differentiation into layers with the formation of body cavity are all clearly shown.

**SEAL ISLAND (WDP)**

i-j-h 28 minutes Color: \$10.15, one day

Fascinating, authentic story of drama and humor played against the rugged background of the Pribilof Islands. \$15.15—2 days; \$25.15—1 week.

**SEAPORTS OF THE PACIFIC COAST (C)**

i-j-h 10 minutes B&amp;W: \$2.15

The film takes its audience on an exciting tour of the bustling activity of San Francisco, the ports of Puget Sound, San Diego, Los Angeles, Portland, and Seattle.

**SEARCH, THE (TFC)**

h-c-a 32 minutes B&amp;W: \$5.15

Tells the story of a child separated from his mother in a Nazi concentration camp and of her efforts to find him. *Restricted to Classroom Use.*

**SEARCH FOR HAPPINESS (McGH)**

h-c-a 17 minutes B&amp;W: \$3.40

Examines modern living and its effect upon mankind. It airs some of the problems of man and how he attempts to solve or escape them. Shows man turning for advice and counselling wherever it is proffered and, with unflagging optimism, buying potions and pills, following the advice of astrologists and numerologists, adhering faithfully to such mail order courses as muscle building—always certain that a miraculous solution of all his problems is just around the corner.

**SEARCH FOR SECURITY (ILI)**

general 15 minutes B&amp;W: \$2.15

Traces the origin and development of life insurance from the insuring of ship captains against death during a voyage or capture by pirates. Animated sequences explain the operation of modern life insurance, showing what happens to policyholders' premium payments. Dramatizations show the versatility of life insurance in meeting various individual and family needs.



**SEARCH SUMS UP (SUMMARY FILM) (McGH)**

c-a 27 minutes B&W: \$5.65

A re-cap of the entire SEARCH series. Shows the highlights of the other 26 films. This film is an informative conclusion to the other presentations given by leading scientists and engineers in the various fields of research.

**SEARCHLIGHT ON THE NATIONS (FON)**

general 20 minutes B&W: \$3.15

A picture of the role modern communications—press, radio, films, and television—are playing in world affairs, especially in the work of the United Nations. Shows the ways in which communications can be used to spread knowledge essential to the peace and welfare of the world.

**SEASHORE LIFE (EB)**

p-i-j 10 minutes Color: \$3.40

Provides an experience in ecology through a portrayal of life on the three important kinds of water areas—the sandy beach, the rockpool, and the mud flat. Shows ways in which representative seashore animals are adapted to survive in their special environment and how they feed, move, and compete with other kinds of animal life with which they come in contact.

**SEASONAL CHANGES IN PLANTS (McGH)**

p-i 11 minutes Color: \$3.90

Using examples of annuals, biennials, and perennials, explains how and why plants change as the seasons change.

**SEASONAL CHANGES IN TREES (C)**

p-i-j 10 minutes Color: \$3.40

An excellent introduction to scientific study of trees and a rich background for reading and language activities about trees, including supervised field trips. Classification, seasonal aspects, and careful observation are stressed.

**SEASONS, THE (TFC)**

i-j-h 21 minutes B&W: \$3.15

Animated drawings explain the factors which cause the seasons such as the tilt of the earth's axis, revolution of the earth around the sun, etc. *Restricted to Classroom Use.*

**SEASONS OF THE YEAR (C)**

p-i 11 minutes Color: \$3.40

Scenes of the four seasons of the year and the activities of those seasons. Shows how plant and animal life protect themselves.

**SECOND SIGHT (McGH)**

j-h-c-a 15 minutes B&W: \$3.75

Describes the work of the Guide Dog Foundation at Smithtown Branch, Long Island, in the training of blind persons and seeing-eye dogs. Demonstrates through the experience of a blind man how dog and master learn to work together.

**SECRET MESSAGE THAT PLUNGED AMERICA INTO WORLD WAR I, THE (YOU ARE THERE) (CBS)**

j-h-c-a 27 minutes B&W: \$5.65

The Zimmerman Note, which tried to persuade Mexico to side with the Germans against the Allied Powers was intercepted and made public to the American people. This enlightenment to the danger of our security was the main cause for the declaration of war a month later.

**SECRET OF THE FJORD (TFC)**

j-h-c 9 minutes B&W: \$1.50

This film was made by Father Hubbard during an expedition to Alaska. They discover huge glaciers by following an Alaskan fjord. *Restricted to Classroom Use.*

**SECRETARY: A NORMAL DAY (C)**

h-c 10 minutes B&W: \$2.35, Color: \$3.40

Secretary Betty Jackson performs the various duties of secretarial work. Along with taking dictation and transcribing, she operates business machines, greets callers, uses the telephone, files, and handles mail and office supplies.

**SECRETARY TAKES DICTATION, THE (C)**

h-c 9 minutes B&W: \$2.15

Explains the procedures and practices in taking dictation in a modern office, including the handling of rush items, telegrams, and office memos. Corrections and insertions are also shown.

**SECRETARY: TAKING DICTATION (C)**

h-c 10 minutes B&W: \$2.35, Color: \$3.40

As Mr. Green's secretary, Betty demonstrates her proficiency at taking dictation. Her mastery of the skills and effective work habits of taking dictation make the period a pleasant and productive part of the day.

**SECRETARY TRANSCRIBES, THE (C)**

h-c 10 minutes B&W: \$2.15

The details of transcribing in a business office, emphasizing routine habits, duties, and conduct beyond knowledge of shorthand and typing which differentiate a good secretary from a stenographer are shown.

**SECRETARY: TRANSCRIBING (C)**

h-c 11 minutes B&W: \$2.35, Color: \$3.40

By using efficient procedures Betty is able to transcribe Mr. Green's notes from both shorthand pad and transcribing machine into correct and attractive work.

**SECRETARY'S DAY, THE (C)**

h-c 10 minutes B&W: \$2.15

The daily activities of a secretary are compared with those of a stenographer to show the added responsibilities and duties: handling callers, appointments, telephone calls, filing and many other details of office procedure.

**SECRETS OF A VOLCANO (CAR)**

j-h-c-a 25 minutes B&W: \$5.10

Presents a dramatic exploration of an active volcano with Dr. Gordon MacDonald of the University of Hawaii and Dr. Jerry Eaton of the Hawaiian Volcano Observatory. Explains volcanic action and describes significant new discoveries about the composition of the earth.

**SECRETS OF SUCCESS: HUCK FINN (TFC)**

j 10 minutes B&W: \$1.65

A short sequence in which Huck decides to run away from the Widder Douglas. Same film as ADVENTURES OF HUCK FINN: SHORT VERSION. *Restricted to Classroom Use.*

**SECRETS OF SUCCESS: THE BAND PLAYED ON (TFC)**

j-h 10 minutes B&W: \$1.65

Four "toughs" are trained to work together on the football field and eventually become stars. Although friction develops when they are scouted for professional ball, they return to their former coach and help him win the game. *Restricted to Classroom Use.*

**SECRETS OF THE ANT AND INSECT WORLD (WDP)**

j-h 13½ minutes Color: \$4.30

Explores the variety of ways various species of ants have learned to adapt to their environment. Ants depicted are the honeycask ants, the leaf-cutter ants, hunter ants, and the harvester ants. Documents the fierce battle between a red ant colony and an attacking colony of black ants. Stress is placed upon the various useful contributions of ants to man.

**SECRETS OF THE BEE WORLD (WDP)**

i-j-h 13½ minutes Color: \$4.30

Follows the life cycle of a honey bee, with attention to its duty in the hive and reproduction. Includes the processes involved in wax making, comb structure, pollen gathering, and production and storage of honey. The mating flight of the drone and queen is briefly described. A dramatic sequence shows how the bees cooperate to save their tree hive when it is threatened by a forest fire.

**SECRETS OF THE ICE (PLANET EARTH SERIES) (McGH)**

j-h 30 minutes Color: \$7.00

The role of snow and ice on man's physical environment is explained. Mountain glaciers and the ice fields of Greenland and Antarctica are explored with research parties. The relationship between glaciology on the one hand and oceanography and weather on the other is explained.

**SECRETS OF THE PLANT WORLD (WDP)**

j-h 16 minutes Color: \$5.00

Shows the means used by plants for adaptation and survival, placing emphasis upon means of seed dispersal, seed germination, and plant growth. Seed dispersal is pictured by parachute, self-planting, shooting-out seeds, and releasing seeds only after the heat of forest fires. Plant growth and seed germination are observed in growth of roots, leaves, and mushrooms; vines searching for support; flowers blossoming; and fruit ripening.



**SECRETS OF THE UNDERWATER WORLD (WDP)**

**j-h-c** 16 minutes Color: \$5.00  
 Surveys some of the various species of animals living in fresh and salt water and the animals' means of adaptation. Marine animals illustrated are the kelpfish that walks on the ocean floor, several species of jellyfish, mollusks including daphne and barnacles, angler fish, the decorator crab, and the courtship of the fiddler crab.

**SECTIONAL VIEWS AND PROJECTIONS, FINISH MARKS (USOE)**

**c** 14 minutes B&W: \$2.90  
 Shows the different types of lines—dimensions, center, cross section, and object; the projection of a sectional view; the locations and uses of finish marks; and the meanings of standard cross-section lines denoting types of materials.

**SECTIONS (MECHANICAL DRAWING SERIES) (McGH)**

**h-c** 10 minutes B&W: \$2.15  
 Some objects have important interior details which may show as a confused mass of dotted lines on the regular exterior views. The remedy for this is the sectional view formed by the imaginary cutting away of parts of the object to reveal interior details and make it easier to read. The film explains various symbols used in sectioning—section lining, cutting plane lines, directional arrows, and reference letters. The construction of a full sectional view is demonstrated.

**SECTIONS AND CONVENTIONS (ENGINEERING DRAWING SERIES) (McGH)**

**c** 15 minutes B&W: \$3.40  
 The sectional view is demonstrated as the means of showing important interior details of an object. Conventional principles and practices that are always followed in constructing sectional views are described as well as conventions followed in special instances.

**SECURE THE BLESSINGS (NEA)**

**h-c-a** 25 minutes B&W: \$4.15  
 Dramatizes the role of the public school in a democracy. Five main characters—a farmer, businessman, labor leader, housewife, and Congressman—are faced with everyday problems. How they solve these problems is, to a great extent, determined by the kind of education they have received in our public schools. The film points out that one of the best places to learn to respect the rights and understand the problems of others is in a public school.

**SEE BETTER: HEALTHY EYES (C)**

**p-i** 10 minutes B&W: \$2.15  
 How can we take care of our eyes? Why should we take care of them? In answering these two basic questions, this film explains the general structure of the eyes, the important health and safety practices relating to eye care, and the common ways to treat disorders of vision.

**SEED DISPERSAL (UW)**

**j-h-c-a** 15 minutes B&W: \$3.65  
 Depicts the various means and methods of mechanical scattering, planting, and protection of seeds.

**SEED DISPERSAL (EB)**

**i-j-h-c-a** 11 minutes B&W: \$2.15  
 Presents many interesting ways by which seeds of plants are scattered in order to insure the propagation of the species. The methods illustrated include dispersal by the wind, transportation by animals, and forceful propulsion from the seedcase. The dramatic value of these examples is increased by the use of time-lapse photography. Attention is given to the germination of seeds under various conditions. The struggle for survival in the plant world is vividly portrayed.

**SEED OF THE CONSTITUTION OF THE UNITED STATES (NA)**

**j-h-a** 10 minutes B&W: \$2.15  
 Dramatization of Benjamin Franklin's plan for a union of the colonies under the British crown, presented to a convention of colonial commissioners at Albany in 1754.

**SEEDS AND SCIENCE: THE WESTERN WAY (SPSS)**

**h-c-a** 27 minutes Color: \$2.15  
 Shows the experimentation with alfalfa, the growing of alfalfa for seed, and the types of alfalfa best suited for various parts of the country. Pictures the preparation of the field for seed growing, the pollination by insects, the gathering and cleaning of seeds for shipment.

**SEEDS GROW INTO PLANTS (C)**

**p-i** 10 minutes Color: \$3.40  
 By observing the ways that seeds travel, seeing the embryo plant, and watching the growth of a seed into a small plant, children learn the conditions necessary for seed growth and learn that seeds grow into plants like those from which they came.

**SEEDS OF DESTINY (FON)**

**h-c-a** 20 minutes B&W: \$3.25  
 The grim and tragic story of hunger and destitution which follow war. Points out that these conditions are today's threat to the lives and health of millions of children in Europe and Asia, and tomorrow's threat to a world seeking peace.

**SEEDS OF DESTRUCTION (EB)**

**j-h-c-a** 9 minutes Color: \$3.40  
 The urgency and need for conservation of our resources. Unscientific lumbering processes, devastating forest fires, uncontrolled wind or water erosion, overworked land, and roaring floods are shown as the implements which can destroy our world unless man acts in time.

**SEGREGATION IN THE SCHOOLS (SEE IT NOW) (McGH)**

**h-c-a** 28 minutes B&W: \$5.45  
 Varied reactions of citizens of two Southern cities to the Supreme Court ruling against segregation in schools are heard in interviews. Among these are the civic leaders, teachers, parents, and students—Negro and white—in Gastonia, North Carolina, and Natchitoches, Louisiana.

**SEIFRIZ ON PROTOPLASM (UPE)**

**c-a** 28 minutes B&W: \$4.95  
 Discusses micrurgy, anesthesia, toxicity, stimulants, fusion, the streaming of protoplasm and torsion, and deals principally with the slime mold physarum. Shows that the relevance to all biological studies lies in the great similarity in constitution and activity of all protoplasm, wherever found.

**SEIZURE (UW)**

**c-a** 48 minutes B&W: \$6.85  
 Explains the diagnostic and therapeutic treatment of epilepsy through a dramatized story of an epileptic veteran, the background of his condition, and his treatment in a Veterans Administration hospital. Describes the physiological basis of epilepsy, clinical manifestations of common types of seizures, and socio-economic problems facing an epileptic.

**SELECTED NEGRO SPIRITUALS (EB)**

**general** 10 minutes B&W: \$2.15  
 Three attributed Negro folk songs—*Nobody Knows de Trouble I See*, *Joshua Fit de Battle ob Jerico*, and *Deep River*—are beautifully sung and dramatized in this film. These accepted songs give voice to the emotional life of the American Negro and reveal and record his deeper thoughts.

**SELECTED NEGRO WORK SONGS (EB)**

**general** 9 minutes B&W: \$2.15  
 The well-blended voices of a mixed chorus bring us two of the songs which the Negro sang at his work out of doors. *Let the Church Roll On*, and *Dis Ol' Hammer* are examples of songs improvised by the Negro as he toiled.

**SELECTED SONGS OF JAMES A. BLAND (EB)**

**general** 10 minutes B&W: \$2.15  
 Dramatizes two of the American Southland's favorite songs—*Carry Me Back to Old Virginny* and *Oh, Dem Golden Slippers*. We become more aware of the spiritual quality of the Negro people as we listen to these songs, sung by an a cappella choir.

**SELECTED SONGS OF STEPHEN FOSTER (EB)**

**general** 9 minutes B&W: \$2.15  
 Two of Stephen Foster's best-loved songs—*My Old Kentucky Home* and *Oh, Susannah!* are dramatized against a choral background. The film reveals the natural and unaffected charm of Foster's compositions—a part of Americana rather than the "Southland."

**SELECTION OF DIMENSIONS (ENGINEERING DRAWING SERIES) (McGH)**

**c-a** 17 minutes B&W: \$3.15  
 Principles governing the choice of dimensions are introduced and shown to be based on two factors: (1) functional char-



acteristics of the object including the degree of accuracy demanded and the relationship of the portion to other elements of the unit or machine; and (2) manufacturing methods used in making the object.

## SELECTION OF FRUITS AND VEGETABLES (UW)

**h-c-a** 17 minutes **Color: \$4.40**

This is a demonstration film showing the three points—need, quality, and price—for consumers in buying fruits and vegetables. Using lettuce, carrots, celery, cabbage, citrus and other fruits as examples, the film illustrates the points of good “buy-manship.” Fred Cole, Massachusetts Extension Service marketing specialist, does the demonstrating.

## SELECTION OF PATTERN & FABRICS (SEW EASY SERIES #3) (AL)

**j-h-c-a** 12 minutes **B&W: \$2.15**

Shows how to select the proper size pattern, the notions, and the fabric that will best fit the pattern. Explains how synthetics, lightweight cottons, sheer silks or rayons, and heavy-duty cottons should be used in relation to the kind of dress desired.

## SELF-CONSCIOUS GUY (C)

**j-h-c-a** 10 minutes **B&W: \$2.15**

Feelings of self-consciousness keep a high school boy from doing his class work well or making friends easily. He discovers that many of his classmates suffer from similar feelings, but several of them have overcome these feelings and developed poise and self-assurance. The boy tries to become better adjusted by thinking about others, developing skills, taking part in activities, and finally by developing a perspective on his own relationship to the social situations in which he lives.

## SELF-PRESERVATION IN AN ATOMIC BOMB ATTACK (UW)

**j-h-c-a** 18 minutes **B&W: \$3.15**

Demonstrates individual methods of self-preservation in an atomic bomb attack. The relative effects of heat, blast, and atomic radiation are shown.

## SELLING AMERICA (JH)

**j-h-c** 22 minutes **B&W: \$3.15**

Certain principles of human association practiced by Benjamin Franklin and applied to modern day selling are dramatically presented in this film.

## SELLING AS A CAREER (C)

**h-c-a** 10 minutes **B&W: \$2.15**

Explains the functions and duties of the salesman to aid those interested in selling as a career. Follows the activities of a salesman showing how he prepares to meet his customers and how he organizes his work. Describes many ways in which young people can prepare for various careers in selling.

## SEMI-CONDUCTORS (PART I) DIODES & TRIODES (BR)

**h-c-a** 21 minutes **B&W: \$4.15**

This film gives the basic physics and theory of hole and electron flow in semi-conductor principles that apply to junction rectifiers basic transistor or triode operating characteristics show how and why it is an amplifying device. Descriptions are elementary and easily understood.

## SEMI-CONDUCTORS (PART II) LOW FREQUENCY AMPLIFICATION (BR)

**h-c-a** 22 minutes **B&W: \$4.15**

This film shows fundamentals of transistor low frequency amplification; a brief review of electron and hole flow P-N Junction Characteristics and transistor symbols; build up of amplifying circuits; and a detailed analysis of operation of these circuits.

## SEMINOLES OF THE EVERGLADES (AS)

**i-j-h-c-a** 21 minutes **Color: \$2.15**

Deals with the Seminole Indians of Florida and the great swamp area in which they live. Pictures their struggle for survival in one of the most difficult natural habitats in the world. Presents the problems of the tribe in a changing world and shows what the United States Government is doing to help these Indians in the realm of education and health economy.

## SENDING RADIO MESSAGES (EB)

**j-h-c** 11 minutes **B&W: \$2.15**

The basic principles of radio transmission are shown by animated drawings. The operation of the microphone, transformer, and the modulator, is graphically explained. Fundamental concepts such as sound waves, direct currents, alternating currents,

voice current, carrier wave, and amplification are explained. Photographic scenes are used to reveal the importance of radio and to illustrate operating units in a modern transmission station.

## SENSE PERCEPTION: PART I (THE WONDER OF THE SENSES) (MIS)

**h-c-a** 27 minutes **Color: \$7.65**

How beautifully the sense of sight, hearing, taste, touch and smell are designed to make life possible on this earth. An experiment on “seeing” odors is included as well as an impressive demonstration involving inverted vision dramatizing the fact that we actually “see” with our brains.

## SENSE PERCEPTION: PART II (THE LIMITATION OF THE SENSES) (MIS)

**h-c-a** 28 minutes **Color: \$7.65**

As the known electromagnetic spectrum is scanned, the infinitesimal portion our eyes respond to shows how blind we really are. Demonstrations in “silent” sound show similar limitations in hearing. The limited sensory signals that do get through to the brain are often perceived incorrectly. The point is driven home that we cannot comprehend all reality with our feeble senses.

## SENSITIVITY OF PLANTS (AL)

**j-h-c-a** 10 minutes **B&W: \$2.15**

Simple laboratory experiments reveal the sensitivity of plants to be no less than human sensitivity to outward stimuli. Plants are subjected to electric shock, carbon dioxide, heat, gravity, light, and ether. Their reactions are visualized by means of time-lapse photography and the high speed lens.

## SENTENCES AND SOLUTION SETS (TEACHER EDUC. IN MODERN MATH. SERIES) (McGH)

**c-a** 20 minutes **B&W: \$4.95**

Delves into concept of set and its usefulness in teaching equations and inequalities.

## SENTENCES: SIMPLE, COMPOUND, COMPLEX (C)

**j-h** 11 minutes **B&W: \$2.35**

Accurate usage and understanding of each type of sentence—simple, compound, and complex—lead to a variety and exactness of expression. By animation devices and live action scenes, the film demonstrates the building of sentences through the use of independent and dependent clauses.

## SENTENCES THAT ASK AND TELL (C)

**p** 11 minutes **B&W: \$2.35**

Through the use of a card game device, primary children visualize and relate “asking” and “telling” sentences to real situations, and understand capital letters, periods, and question marks in sentences.

## SER Y ESTAR (SPANISH INSTRUCTO-FILM NO. 4) (ALT)

**h-c** 12 minutes **B&W: \$2.35**

Film objective is to enable the student to understand clearly the differences between these two verbs and to provide oral practice on their correct usage as answers to *how*, *where*. A touch of humor is injected as the students practice useful adverbs of place while watching a cat and a mouse take opposite positions.

## SERIES AND PARALLEL CIRCUITS (EB)

**j-h** 10 minutes **B&W: \$2.15**

Demonstrates the relationships between resistance, current, and electromotive force in series circuits and in parallel circuits by computing the resistance of a toaster and a lamp, and the amperage of a soldering iron. Shows the advantages and disadvantages of both types of circuits. Describes a simple series-parallel combination and presents appropriate examples.

## SERVANT OF THE PEOPLE (TFC)

**j-h-c-a** 22 minutes **B&W: \$4.50**

A segment of constitutional history showing the conditions of confusion under the Articles of Confederation and dramatizing the sessions of the Convention in 1787 where the Constitution was prepared and adopted. Shows the individual contributions made by various early leaders, particularly Benjamin Franklin, and some of the methods used to establish unity in the government. *Restricted to Classroom Use.*



**SERVICING AN AIRPLANE (CAA)**

**h-c** 17 minutes **B&W: \$2.15**  
Shows how to perform the various routine servicing operations on a light airplane, including proper and safe methods of pushing a plane on the ground, cleaning an airplane, refueling, changing the oil, inflating tires, and starting the engine. Shows hand signals for guiding the pilot. Emphasis throughout the film is upon the importance of the job and doing it safely.

**SERVICING THE AVIATION SPARK PLUG (CAA)**

**c** 23 minutes **B&W: \$2.15**  
Shows the parts and indicates the proper care, adjustment, cleaning, and assembly of aviation spark plugs. A brief indication of the history of the development of the specialized spark plugs used in aviation engines is shown. Also shows the care necessary in removing spark plugs from an engine and the utilization of the various specialized equipment developed to clean the spark plugs. The assembly of a spark plug, the maintenance of the cleaners, and the adjustment of the gap are shown in detail.

**SERVING THE WHOLE STATE (UI)**

**h-c-a** 23 minutes **Color: N.C.**  
This film focuses on the University of Illinois' off-campus services through extension, adult education, short courses, and conferences.

**SETTLING THE GREAT PLAINS (AMERICAN ADVENTURE SERIES) (McGH)**

**j-h** 12 minutes **B&W: \$2.65**  
Concentrating on the 1850-1885 period, this film shows the successive adaptations by the Indians, cattlemen and homesteaders to the difficulties of the Great Plains environment.

**SEVEN LITTLE DUCKS (BFS)**

**p-i** 10 minutes **B&W: \$1.90**  
Shows how Carol, a six-year-old girl, helps to care for a family of Muscovy ducks which she keeps as pets in her backyard. Simple methods of feeding, watering, and housing are demonstrated.

**SEWING (EB)**

**j-h** 12 minutes **Color: \$3.40**  
A junior high school student is followed step-by-step as she finds a pattern, selects material, and sews a dress. Sewing is emphasized as being a hobby which is both enjoyable and practical.

**SEWING: ADVANCED SEAMS (YA)**

**j-h-c-a** 10 minutes **B&W: \$2.15**  
Demonstrates and explains the procedures for making these advanced seams: french, slot, flat-fell, welt, tucked, and piped seams.

**SEWING: CHARACTERISTICS AND HANDLING OF MATERIALS (YA)**

**j-h-c-a** 9 minutes **B&W: \$2.15**  
Discusses characteristics and handling of cotton, woolen and synthetic fabrics. Explains how the selection of a fabric is based on the pattern to be used, the purpose of the garment and the ability of the seamstress.

**SEWING: FITTING A PATTERN (YA)**

**j-h-c-a** 10 minutes **B&W: \$2.15**  
Shows how to alter and adjust a standard dress pattern to the requirements of the individual figure.

**SEWING FUNDAMENTALS (YA)**

**j-h-c-a** 11 minutes **B&W: \$2.15**  
Demonstrates and explains the function and use of some of the fundamental tools used in sewing—needles, thimbles, pins, measuring devices, pressing irons, sewing machines, etc.

**SEWING: PATTERN INTERPRETATION (YA)**

**j-h-c-a** 10 minutes **B&W: \$2.15**  
Explains how the seamstress interprets the important markings and instructions in dressmaking patterns by McCall, Simplicity, Butterick, and Vogue.

**SEWING: SIMPLE SEAMS (YA)**

**j-h-c-a** 10 minutes **B&W: \$2.15**  
Demonstrates the procedures for making plain seams: with edges pinked, overcast, stitched, bound, catch-stitched, and top-stitched.

**SEWING: SLIDE FASTENERS (YA)**

**j-h-c-a** 11 minutes **B&W: \$2.15**  
Clearly explains the step-by-step procedure for fitting a slide fastener in a blouse, a skirt, and a dress.

**SHADOWS AND ECLIPSES (UW)**

**j-h-c-a** 9 minutes **B&W: \$2.15**  
A series of demonstrations illustrate some sources and the properties of light. By means of animated diagrams, the formation of shadows and eclipses is explained. Actual photographs of recent eclipses are used to show the sun in total eclipse, the sun's corona, and the earth's shadow moving across the moon. The law of reflection is demonstrated, as are the properties of images in plane mirrors.

**SHAGGY, THE COYOTE (BACKGROUND FOR READING AND EXPRESSION) (C)**

**p-i** 10 minutes **Color: \$3.40**  
The adventures of Shaggy, a year-old coyote, in his search for food on a winter day, will enable children to study and learn about this interesting wild animal. His travels take him to a farmyard in search of a chicken and almost get him caught in a trap.

**SHAKESPEARE'S THEATER (TFC)**

**j-h-c-a** 15 minutes **Color: \$4.30**  
The first sequence from Olivier's Henry V, showing the Elizabethan theater in action. *Restricted to Classroom Use.*

**SHAKESPEARE'S THEATER: THE GLOBE PLAYHOUSE (UC)**

**j-h-c-a** 18 minutes **B&W: \$3.95**  
The Globe Playhouse is reconstructed to show how the stage may have been used for the production of Shakespeare's plays.

**SHAPE DESCRIPTION PART I (MECHANICAL DRAWING SERIES) (McGH)**

**h-c** 11 minutes **B&W: \$2.15**  
The film begins by explaining that the only accurate method of informing others how to build an object is to make several drawings showing the object from different points of view. It then describes orthographic projection, utilizing a combination of animated diagrams and animated photography of specially prepared models to provide unusual three-dimensional effects.

**SHAPE DESCRIPTION PART I (MECHANICAL DRAWING SERIES) (McGH)**

**h-c** 8 minutes **B&W: \$2.15**  
The step-by-step procedure of constructing a drawing is demonstrated, and reasons for each step are explained. The film follows through one drawing and establishes certain principles of procedure which the student can apply in making drawings of his own. In conclusion, the film stresses the importance of clarity, accuracy, and readability in all drawings.

**SHAPE OF THE EARTH, THE (PLANET EARTH SERIES) (McGH)**

**j-h** 30 minutes **Color: \$7.00**  
The study of the size and shape of the earth is presented from ancient times to present concepts derived from data obtained from orbiting satellites. The determination of position and of distances on the earth by astronomical means is examined.

**SHARE THE FUN BREAKFAST (USRC)**

**i-j-h-c-a** 32 minutes **B&W: \$2.15**  
Pictures the Share the Fun Breakfast at the National 4-H Club Congress in Chicago. Shows arts and crafts displays as well as 4-H performers. Boys trio from Rankin, Illinois, is featured. Excellent film to inform club members and leaders on one phase of the big annual conference.

**SHARING ECONOMIC RISKS (C)**

**j-h** 10 minutes **B&W: \$2.15**  
Insurance is defined and illustrated. The theft of a bicycle illustrates the economic risks which all people face and various aspects of property and life insurance. Stresses the reasons for insurance and the need for sharing of economic risks.

**SHARING WORK AT HOME (C)**

**j-h-a** 10 minutes **B&W: \$2.15**  
This film portrays a family planning to share the responsibilities at home. This leads to more family activities, home improve-



ment through individual participation and greater family enjoyment. This is a picture intended for classes of home economics, education, social studies and all other groups in which family relations are studied.

### **SHARPENING A PLAIN HELICAL MILLING CUTTER (UW)**

**h-a** 16 minutes **B&W: \$2.90**  
Shows how to mount the helical cutter on an arbor, how to arrange the four elements in the same horizontal plane, how to sharpen the secondary clearance angle, and how to check and adjust for taper in grinding the primary clearance angle.

### **SHARPENING A SIDE MILLING CUTTER (UW)**

**h-a** 22 minutes **B&W: \$2.90**  
How to identify the parts of a cutter, how to select and mount the correct grinding wheel, how to mount the cutter, how to set up the grinder for sharpening, how to set the correct clearance angle, and how to check for correct width of land.

### **SHEARING TIME AT BILLABONG (ANIB)**

**general** 10 minutes **Color: \$4.20**  
The film describes the sheep ranching industry in Australia and sheep-shearing time on the ranch.

### **SHEEP DOG (EFLA)**

**p-i** 15 minutes **B&W: \$2.65**  
Describes a typical day in the life of Tom, a Welsh shepherd; his dog, Scott; and his horse, Topsy. It portrays the dog's efficiency in caring for the flock of sheep and in handling Tom's horse. The film also depicts the intimate relationships between the ewes and their lambs and shows what menaces threaten the security and well-being of the flocks in the mountains and the means for protecting them.

### **SHEEP RANCH COUNTRY (SOUTHEASTERN AUSTRALIA) (UW)**

**j-h-c** 21 minutes **B&W: \$4.15**  
Shows that pastoral industries and wheat farming are well suited to semi-arid lands which are sparsely populated and isolated from markets. This principle applies to Australia, where the economy is dependent upon foreign trade, with sheep products, wheat, and flour the most important exports. Because the country is so dependent upon trade, many people live in a few large seaports. The film presents the contrast between the mode of life of the people on the sheep ranch with that of the people in the industrial centers where the growing steel and textile industries are being developed.

### **SHEEP SHEARING (USOE)**

**h-c** 18 minutes **B&W: \$2.90**  
One of a series of films on livestock produced by the United States Office of Education. It shows how to handle sheep for shearing, indicating the relative positions of the shearer and the sheep during each shearing step. The step-by-step procedure in shearing is demonstrated, as well as the methods of rolling and tying the fleece.

### **SHEET METAL WORKER (VGF)**

**j-h-c** 11 minutes **B&W: \$2.15**  
Shows the special qualifications for a sheet metal worker, including a thorough knowledge of arithmetic and angles and of the skill in handling tools. The types of work to be done and the opportunities for employment in this field are presented.

### **SHELL-FISHING (EB)**

**i-j-h** 10 minutes **B&W: \$2.15**  
Portrays the work of fishermen who gain a living by gathering lobsters, crabs, clams, and oysters for the markets of the world. Depicts the catching, canning, packing, and marketing of these shell-fish. Illustrates the preparation of oyster beds, dredging for mature oysters, luring crabs to net with baited lines, digging for clams, and catching lobsters in baited traps.

### **SHELTER (EB)**

**p-i** 11 minutes **B&W: \$2.15, Color: \$3.40**  
Introduces the important human activity of providing protection and privacy for members of the family. Traces the evolution of shelters from primitive constructions with materials close at hand to highly specialized construction of modern shelters. Examples range from the African grass huts and Eskimo igloos to modern skyscrapers, apartment buildings, and individual homes.

### **SHEP—THE FARM DOG (EB)**

**p** 10 minutes **B&W: \$2.15**  
Shows an attractive collie dog during his busy day about the farm. Herding the cows to pasture; routing the chickens from the garden; eating breakfast; pursuing a woodchuck; and hiking and swimming are shown.

### **SHEPHERD AND HIS SHEEP, THE (F)**

**p-i** 13 minutes **Color: \$3.20**  
A shepherd boy, Lou, cares for a large flock of sheep. Jeff, who knows how to keep the flock together, helps in caring for the flock. Scenes show shearing and the different types of sheep and their use to man. Also seen are buyers examining the wool which is packed in bags.

### **SHOOTING IN BASKETBALL (EB)**

**j-h** 10 minutes **B&W: \$2.15**  
Utilizes unique motion picture techniques to demonstrate fundamentals of effective shooting in basketball. Illustrates correct stance, grip, aim, throwing action, finger-tip control, propulsion, and follow-through. Emphasizes effectiveness of the medium-arc trajectory.

### **SHOP PROCEDURES (McGH)**

**h-c** 18 minutes **B&W: \$3.65**  
This film shows how finished drawings are used as detailed instructions in every step of manufacturing. Illustrates how blueprints are reproduced and used in the pattern shop, the foundry, the forging shop, the machine shop, and the assembly shop. The operation of basic machines is also demonstrated, giving the viewer a glimpse of modern production methods.

### **SHOP SAFETY (UW)**

**j-h-c-a** 32 minutes **B&W: \$4.25**  
Discusses the causes and prevention of accidents, and safety rules which apply to arc and gas welding, hoisting methods, working with machinery and on engines, use of tools, lifting and pushing heavy objects, and handling of gasoline.

### **SHOP STEWARD (McGH)**

**h-c-a** 22 minutes **B&W: \$4.15**  
The role of the shop steward in the union is portrayed. Begins with the election of a machinist as shop steward for the men in his section of a large industrial plant. Shows the part he plays in carrying out the grievance procedures set up by company and union, and describes how he fulfills his responsibility to protect the men who elected him from infractions of the agreement.

### **SHORT STOPS (JH)**

**j-h-c-a** 8 minutes **B&W: \$1.90**  
Explains the operation of the perfected hydraulic brake. The effect of speed and road surface on stopping distance is shown and expert drivers explain how to use brakes more effectively for smooth and safe stops.

### **SHOT PUT (UW)**

**j-h-c** 11 minutes **B&W: \$2.15**  
In stressing fundamentals, condition and form, this film demonstrates tension control, finger and hand grip, fitting styles to physiques, finger and wrist snap, foot positions, explosive hip snap, and progressive tension and effort.

### **SHOT PUT (TRACK AND FIELD INSTRUCTION SERIES) (RF)**

**j-h-c** 13½ minutes **B&W: \$2.60**  
Shows principles concerning the throwing of the shot put. The technique is shown through the analysis of championship-type throws. With the aid of slow motion, the essential points of form are made vivid. In the film we work with an inexperienced candidate and put him through the drills needed to acquire good form.

### **SHOULD I GO TO COLLEGE? (EB)**

**h-a** 29 minutes **B&W: \$6.15**  
Dr. Harvey White of the University of California answers some of the most frequently asked questions as to whether or not one should attend college. Gives pros and cons from which the student will be aided in making a decision.



**SHOULD YOU DRINK? (McGH)**

**h-c-a** 21 minutes **B&W: \$4.85**  
 Designed to promote discussion and self-analysis about reasons for moderate drinking, this film dramatically focuses attention on the importance of each person making an honest and intelligent decision about the use of alcohol. A young couple gives a party to which they invite four other couples. During an ensuing discussion, different views are expressed about drinking. The film ends as the narrator poses several questions about the reasons behind a person's use of alcohol and his attitudes toward drinking.

**SHOULDER TO SHOULDER (IAA)**

**h-c-a** 18 minutes **B&W: \$2.15**  
 This film is dedicated to the Farm Bureau. Through intelligent organization, the men and women of the Farm Bureau have enabled the farmers to achieve a better standard of living and to obtain a bigger share of the nation's income. The Illinois Agriculture Association advises the farmer on soil conservation, crop rotation, livestock producing, etc. Film points out the fact that agriculture must be put on a permanent paying basis if agricultural stability is to be achieved. This can be done only if the farmers themselves work together, shoulder to shoulder.

**SHOWN BY REQUEST (BIS)**

**h-c-a** 21 minutes **B&W: \$3.15**  
 Presents the story of nontheatrical (16 mm) film distribution in Britain. Mobile units take films to audiences which have no projector, and the government's central film library sends films by mail to people with privately or community owned projectors. Shows the organization of a film library in some detail.

**SHOWTIME (UWI)**

**h-c-a** 19 minutes **B&W: \$3.65**  
 Traces the development of a play from an idea in the author's mind through to the time it's presented on a stage. Especially designed for schools interested in producing their own plays. Useful for clubs, senior high school and college speech and English classes and for teachers who supervise such activities.

**SHRIMP PLEASE (USDI)**

**general** 22 minutes **Color: \$2.15**  
 Designated to stimulate consumer interest in shrimp, the film depicts shrimp operations in the Gulf of Mexico area: including freezing, breeding, drying, canning, and information on how to purchase and many methods of preparing shrimp for the dinner table.

**SHRIMP TIPS FROM NEW ORLEANS (USDI)**

**general** 17 minutes **Color: \$2.15**  
 Several New Orleans shrimp recipes are prepared showing influences of foreign countries upon the eating habits of New Orleans.

**SHRINE OF A NATION—WESTMINSTER ABBEY (BIS)**

**j-h-c-a** 13 minutes **B&W: \$3.25**  
 The history of Westminster Abbey is the history of England. Here Parliament once met; here for centuries the kings and queens of England have been crowned; and here are buried illustrious Englishmen of all times—sovereigns, statesmen, poets, scientists and musicians. Shots include the Coronation of King George VI.

**SHY GUY (C)**

**j-h-c** 13 minutes **B&W: \$3.40**  
 Discusses the problem of shyness in adolescents and illustrates some methods of overcoming the problem. A valuable film for use by adolescent groups, teacher training and parent organizations.

**SHYNESS (McGH)**

**c-a** 22 minutes **B&W: \$3.65**  
 The causes of shyness in children and how, through a greater understanding by parents and teachers, this problem may be dealt with are studied in this film. From the lonely existence of a typically shy adult, the film turns to a study of three children. Analysis of their conditions reveals that confidence-destroying demands of parents predispose the children to shyness. The teacher, psychiatrist, and the parents then bring about a change in the children's attitudes.

**SIAM (WDP)**

**j-h-c-a** 28 minutes **Color: \$9.25**  
 Discusses the land and its people, including farming, life on a sampan, religious festivals and royal pageantry. Discusses in detail: character of the land, floods, rice, Buddhism, culture, the elephant as a beast of burden, and the city of Bangkok.

**SIBELIUS (SF)**

**j-h-c-a** 9 minutes **B&W: \$1.70**  
 A film concert and ballet presenting works of the Finnish composer. Included are the "Concerto for Violin," "Impromptu" and the ballet "Scaramouche" danced by the Helsinki Opera Ballet.

**SICILY, ISLAND OF MEMORY (PIZ)**

**j-h-c-a** 21 minutes **Color: \$5.35**  
 Presentation of Sicily, a land whose monuments stand as landmarks along the trail of history and whose people are guardians of the mingled heritage from the East and the West.

**SIGHT AND SOUND (NFBC)**

**c-a** 10 minutes **B&W: \$2.15**  
 Shows the use of audio-visual aids and stresses their value in education. The examples given illustrate how a film brings a class of children to visit Mexico, how a filmstrip on cut-outs stimulates creative activity, and the use of a radio broadcast in a history class.

**SIGNAL GENERATOR OPERATION (RADIO TECHNICIAN TRAINING) (CAA)**

**h-c** 9 minutes **B&W: \$2.15**  
 Shows step-by-step how to use a signal generator to align a radio receiver. Film assumes that viewer has knowledge of AC principles, R.F. currents in receiver circuits, basic operations of detectors, R.F. amplifiers, and principles and alignment of superheterodyne receiver.

**SIGNING OF THE DECLARATION OF INDEPENDENCE, THE (YOU ARE THERE) (CBS)**

**j-h-c-a** 27 minutes **B&W: \$5.65**  
 The people and events which form a part of the great American heritage are portrayed along with the signing of the Declaration of Independence at Philadelphia on July 4, 1776.

**SIGNS OF LIFE (2nd EDITION) (PRP)**

**j-h-c-a** 11 minutes **B&W: \$1.65**  
 Formerly entitled "You Bet Your Life." Designed to teach standard driving practices as approved by the uniform vehicle code, including road signs, markings, and proper signals.

**SILAGE ELEVATOR (UI)**

**h-c-a** 4 minutes **B&W: N.C.**  
 At the College of Agriculture at the University of Illinois, an idea for a portable and efficient silage elevator has been suggested. This idea is put into practice from laboratory to silo.

**SILENT KILLER (USDA)**

**h-c-a** 11 minutes **Color: \$2.15**  
 Choice spruce and fir forests are attacked by the spruce budworm, a silent killer that can wreck a forest. This film shows a control project in southern Idaho, carried out by Federal and State agencies in cooperation with affected landowners. They bring this epidemic under control by using airplanes for spraying, and following carefully laid plans of foresters, entomologists, and other scientists.

**SILENT NIGHT: STORY OF A CHRISTMAS CAROL (C)**

**general** 15 minutes **B&W: \$4.15, Color: \$10.15**  
 How the famous Christmas carol was written in the early 1800's by an Austrian village priest, Father Joseph Mohr, and was spread through the world.

**SILK SCREEN TEXTILE PRINTING (BFS)**

**j-h-c-a** 10 minutes **Color: \$3.40**  
 Selects a dress material design and translates it into a silk screen stencil and textile print. Shows use of swivel stencil knife, lacquer film, lithographer's crayon, liquid tusche, registration board, explains basic silk screen process. Suggests use of this method of printing for Christmas cards, screen process, place mats, and other gifts as well as for dress and drapery textiles.



**SILK MAKERS OF JAPAN (BFS)**

**i-j-h-a** 16 minutes **Color: \$5.40**  
 More than half the world's silk is produced in Japan. This film follows the complete process from the raising of caterpillars to the final product—the "Queen of Fabrics."

**SILVER SHADOWS (UW)**

**j-h-c-a** 27 minutes **B&W: \$4.15**  
 A short history of silent motion picture entertainment from the first theatrical use of pictures to the first newsreel service. Oldtime favorites are presented.

**SILVERSMITHING (LFI)**

**h-c-a** 20 minutes **B&W: \$3.35**  
 Illustrates how to work silver. Pictures students making a silver ring and bracelet.

**SIMILAR TRIANGLES (KB)**

**h-c** 11 minutes **B&W: \$1.90**  
 Shows properties and practical uses of similar triangles. Demonstrates graphically the "two angles equal" proposition, and suggests applications in new geometric situations.

**SIMPLE BLOCK PRINTING (BRF)**

**i-j-h** 11 minutes **B&W: \$2.15**  
 After a few examples of block printing are shown, the entire process of making such a print is demonstrated. The various tools needed are displayed and the work of each clearly shown.

**SIMPLE CERAMICS (AVED)**

**i-j-h-c** 10 minutes **Color: \$3.40**  
 Development of a bowl by a hammock-mold method. A simple design is applied, utilizing common household utensils. The student can complete this project without having access to elaborate equipment.

**SIMPLE CHANGES IN MATTER (C)**

**i-j** 11 minutes **B&W: \$2.15**  
 By directing young people's attention to the physical and chemical changes seen around them every day—growth of seedlings, soil erosion, metal expansion, ice melting, leaves changing color, logs decaying, and metal rusting—this film shows how to determine through simple experiments the difference between physical and chemical changes.

**SIMPLE DEVELOPMENTS (ENGINEERING DRAWING SERIES) (McGH)**

**h-c-a** 9 minutes **B&W: \$2.50**  
 Through the use of animated drawings this film systematically illustrates the development of a hexagonal prism, truncated cylinder, right rectangular pyramid, oblique pyramid, right circular cone and truncated right circular cone.

**SIMPLE FRACTIONS (KB)**

**i-j** 10 minutes **B&W: \$2.15**  
 Examples show roles played by numerator and denominator.

**SIMPLE HARMONIC MOTION: PHYSICS SERIES (McGH)**

**c-a** 11 minutes **B&W: \$2.15**  
 Explains what is meant by simple harmonic motion and demonstrates the general features of vibrating or periodic motion. Includes a brief consideration of essential geometry and emphasizes the relationship between simple harmonic acceleration and Hooke's law.

**SIMPLE HYDRAULICS SYSTEMS (ELEMENTARY HYDRAULICS) (CAA)**

**h-c** 17 minutes **B&W: \$2.15**  
 The hydraulic jack and the hydraulic braking system of an automobile are used to demonstrate the features of simple hydraulic systems.

**SIMPLE MACHINES (EB)**

**j-h** 10 minutes **B&W: \$2.15**  
 The basic features of simple machines—the lever, the inclined plane, the wedge, the pulley, and the screw—are shown. Applications of these devices to modern complex machines are demonstrated. Animated diagrams clarify abstract mechanical principles. The evolution of the machine and its part in contemporary civilization is also treated.

**SIMPLE MACHINES: THE INCLINED PLANE FAMILY (EB)**

**i** 11 minutes **B&W: \$2.35**  
 In order to explain the operation of this basic machine, the film follows a young boy named Mark who discovers, through a series of simple experiments, how an inclined plane can make work easier. The experiments include a table-top demonstration that a child can easily reconstruct. The concept of "work" is explained through the use of animated drawings. The latter part of the film describes other machines of the inclined plane family—the wedge and the screw.

**SIMPLE MACHINES: INCLINED PLANES (C)**

**i-j** 6 minutes **B&W: \$1.90**  
 Presents the principle of the inclined plane, including the screw and wedge. Shows common forms of the inclined plane.

**SIMPLE MACHINES: LEVERS (C)**

**i-j** 6 minutes **B&W: \$1.90**  
 Introduces the concept that the lever is a simple machine which can change the amount of force and/or its direction. Presents the interrelationship of force and distance and shows such familiar forms of the lever as a see-saw, nutcracker, and broom. Also shows examples of more complex machines which utilize the principle of the lever.

**SIMPLE MACHINES: PULLEYS (C)**

**i-j** 6 minutes **B&W: \$1.90**  
 Visualizes this simple machine and explains the principle of its operation. Both the fixed pulley, which changes direction, and the movable pulley, are examined in detail along with the block and tackle system. Shows the function of different kinds of pulleys as they are seen in everyday use.

**SIMPLE MACHINES: WHEELS AND AXLES (C)**

**i-j** 6 minutes **B&W: \$1.90**  
 Illustrates the force and distance relationships which exist in machines, utilizing the principles of the wheel and axle. Analyzes and demonstrates the way in which the working wheels of a bicycle increase force or distance. Examines such applications of the wheel and axle as the gear drive, belt drive, and crank.

**SIMPLE PLANTS: ALGAE AND FUNGI (C)**

**j-h-c** 14 minutes **Color: \$4.15**  
 Describes the major characteristics of the botanical group known as simple plants. Shows how they differ from other plants and explores their value and relationship to man.

**SIMPLE PLANTS: BACTERIA (C)**

**j-h-c** 14 minutes **Color: \$4.15**  
 Bacteria and the science of bacteriology are studied with reference to the major characteristics of bacteria, useful and harmful varieties, growing bacteria colonies, checking bacteria growth, and the use of antibiotics. Photomicrography reveals the three known groups—spiral, rod-shaped, and spherical bacteria—the bacterial digestive process, and the nature of enzymes.

**SIMPLE SILVER WORKING (AMP)**

**h-c-a** 9 minutes **B&W: \$2.15**  
 Demonstrates the steps in silver working from the original design on paper to a completed piece of silver jewelry.

**SIMPLE SIMON (UW)**

**p-i** 7 minutes **Color: \$2.55**  
 Simple Simon takes his duck to the big fair. Here he meets the Pieman, samples his pie, and gets chased by the Pieman. He escapes with his duck who wins a prize.

**SIMPLE STUNTS (C)**

**i-j-h** 11 minutes **B&W: \$2.15**  
 This film gives a detailed explanation of simple stunts for strength, stunts for skill, and stunts with sticks. Safety precautions are emphasized and the benefits of variations on simple stunts are demonstrated.

**SINBAD, THE SAILOR (UW)**

**p-i** 9 minutes **Color: \$2.55**  
 Sinbad's ship is chased by pirates who come aboard. Sinbad pulls some clever tricks on the pirates and laughs last with the pirates' treasures.



**SING, AMERICA (NA)**

**h-c-a** 11 minutes **B&W: \$2.15**  
 The audience is invited to join with a chorus in the singing of *The Band Played On*, *Bicycle Built for Two*, *Oh, Susannah!*, *Home on the Range*, *Love's Old Sweet Song*, and *America, The Beautiful*.

**SINGAPORE (THIS WORLD OF OURS SERIES) (IFI)**

**i-j-h** 9 minutes **B&W: \$2.45**  
 An instructive pictorial visit to the capital and governmental body of the Straits Settlements crown colony with many interesting scenes of the city and the key seaport of the Far East.

**SINGAPORE: STUDY OF A WORLD PORT (UW)**

**general** 11 minutes **B&W: \$2.15**  
 Shows the factors which make Singapore the world's seventh largest port.

**SINGENDES DEUTSCHLAND (IFB)**

**h-c** 20 minutes **B&W: \$3.80**  
 A German-language film. Fifteen popular German songs are sung and illustrated by appropriate German scenes and dances. Suitable for advanced German classes.

**SINGING IN THE GENERAL MUSIC CLASS (ISU)**

**c-a** 30 minutes **B&W: \$5.15**  
 This film is particularly concerned with the implications inherent in working with singing groups which include voices that are changing. Students discuss and suggest procedures which might be followed in dealing successfully with this problem. Situations dealt with in this manner are: 1) establishing a favorable attitude toward singing alone, 2) class voice testing and placement, 3) kinds of voices and ranges, 4) solo and part singing, and 5) using songs to create an awareness of such characteristics of music as (a) the relationship of the musical phrase to the text, (b) the relationship of the text to dynamics, (c) rhythms, and (d) singing for fun.

**SINGING PIPES (NFBC)**

**h-c-a** 20 minutes **B&W: \$3.40**  
 Shows the building of organs in the workshops of Casavant Freres, St. Hyacinthe, Quebec, Canada. Traces the development of the organ from the foot-pump and hand-bellows models to today's electrically-operated pipe organs. Concludes with the playing of Bach's *Tocatta and Fugue in D Minor*.

**SINKING OF THE TITANIC, THE (YOU ARE THERE) (CBS)**

**j-h-c-a** 27 minutes **B&W: \$5.65**  
 One of the major disasters in the annals of sea history. The sinking of the Titanic was considered an "incredible" accident because this ship was thought to be the world's "safest, fastest, largest" passenger liner afloat.

**SIR FRANCIS DRAKE (THE RISE OF ENGLISH SEA POWER) (EB)**

**i-j-h-a** 30 minutes **B&W: \$5.65**  
 The swashbuckling adventure story of Sir Francis Drake—a man who had a profound influence on world history—who won England the right of way into a new continent, captured a vast treasure in gold, silver, and precious stones for his Queen, terrorized the Spanish navy, and persuaded the people of England to "look to the sea for their strength."

**SIR FRANCIS DRAKE'S LIFE AND VOYAGES (C)**

**j-h** 17 minutes **B&W: \$3.55**  
 With an authentic background of historic English locales, historical maps, paintings and animated scenes, this film portrays the major events of England's most famous adventurer and sea captain. It depicts Sir Francis Drake as the first Englishman to sail around the world and as the leader of the English fleet in the victory over the Spanish Armada.

**SITTING RIGHT (ASF)**

**i-j-h** 11 minutes **B&W: \$2.15**  
 The technique of sitting correctly—how to sit down and how to get up. Leg, arm and hand positions are shown.

**SIX FACES OF PHARAOH, THE (SM)**

**i-j-h-c-a** 14 minutes **Color: \$4.40**  
 The story of the Nile River and part it played in shaping the destinies of six of the pharaohs of ancient Egypt. Depicts the art and culture of their periods and includes pictures of Khufu's Great Pyramid, tombs, temples, and mummies.

**SIXTEEN TO TWENTY-SIX (NFBC)**

**a** 17 minutes **B&W: \$3.35**  
 Designed for female audiences only, this film presents facts about the extent, transmission, course of infection, symptoms, and treatment of gonorrhea and syphilis.

**6,000 INHABITANTS (JSC)**

**c-a** 18 minutes **B&W: \$6.15**  
 A community faced with having to make a decision on the use of a piece of vacant land is shown. Will tradition prevail or will progressive attitudes determine future growth? The importance of planning and the role of citizens in shaping the future of their community are demonstrated. French dialogue with English sub-titles.

**SIZE DESCRIPTION (MECHANICAL DRAWING SERIES) (McGH)**

**h-c** 12 minutes **B&W: \$3.65**  
 Uniformity in dimensioning practice is essential and depends on the observation of certain standards in the use and choice of lines, figures, arrowheads, etc.; and in the theory and placement of dimensions. The method for describing complex drawings by breaking them down into simple geometric parts for dimensioning is also shown.

**SIZE OF THINGS, THE (ADVENTURE IN SCIENCE) (FA)**

**j** 11 minutes **Color: \$3.60**  
 Provides material on volume-strength ratios as they apply to math and biology. This film will give junior high students insight into fascinating areas of science and math.

**SKATING FANTASY (SF)**

**i-j-h-c-a** 10 minutes **Color: \$3.10**  
 Barbara Ann Scott does three skating ballets.

**SKELETON, THE (EB)**

**j-h** 12 minutes **B&W: \$2.15**  
 Describes in detail the formation, growth, development, and function of the human skeleton. Microphotography and animated drawings reveal what bones consist of and how they grow. Dramatic motion picture X-ray photography shows how joints move. Attention is called to the role of proper food and good posture in the correct development of bone.

**SKI THRILLS (SM)**

**general** 11 minutes **Color: \$3.40**  
 Thrilling and beautiful color shots of expert skiers enjoying themselves on the high expanses of the Sierra Mountains.

**SKILLED WORKER, THE (NATURE OF WORK SERIES) (McGH)**

**c-a** 27 minutes **B&W: \$5.35**  
 The problem results when a skilled worker is replaced by a machine. Although another job is provided for the worker, he finds it difficult to adjust and there is a loss of satisfaction and pride in his work.

**SKIN (EB) (SILENT)**

**i-j-h** 15 minutes **B&W: \$1.65**  
 Contrasts the skins of various animals. It shows structure and method of growth of human skin; explains the sensation of touch, the formation of "gooseflesh," how hair "stands on end," the secretion of sweat, and the growth of hair and nails. Illustrates the proper care of the skin.

**SKIP TO MY LOU (IU)**

**p-i** 5 minutes **B&W: \$1.65**  
 Fifth grade children form two circles and demonstrate the fundamentals of the game: skipping around the circle, choosing a partner, joining hands, and returning to place in the circle. The narrator explains each of these.

**SKIPPER LEARNS A LESSON (EB)**

**p** 10 minutes **Color: \$3.40**  
 A little girl and her dog, Skipper, move to a neighborhood where youngsters of different races play together. Skipper snubs the dogs belonging to these youngsters. Later, through an embarrassing episode, Skipper realizes his mistake and understanding is established among all. A simple and delightful story on intercultural understanding.



**SKIPPY AND THE THREE R'S (NEA)**

e-a 30 minutes B&W: \$4.65, Color: \$7.30  
Shows how a teacher utilizes a first grade boy's interests to help him realize his own need for learning to read, write and do arithmetic.

**SKY GIANT (CAA)**

h-e-a 9 minutes B&W: \$2.15  
Shows the building, testing, and flying of the Avro Lancaster.

**SKYLINE NEW YORK (A)**

c-a 28 minutes Color: \$2.15  
Two college girls tour New York from "Bull's Head to the Battery." They take a boat trip around Manhattan Island, drive through Central Park in a "horse and buggy" and shoot the chutes at Coney Island.

**SLEEP FOR HEALTH (EB)**

p-i 11 minutes B&W: \$2.15  
Presents the importance of regular sleeping habits from the viewpoint of a child. Shows the child how a regular bedtime which allows for sufficient sleep helps him attain goals which he himself desires. Emphasizes the child's own responsibility in the formation of good habits. Considers dreaming as a normal part of sleeping. Graphically illustrates how lack of sleep causes irritability and interferes with the enjoyment of everyday living.

**SLEEPING BEAUTY (EB)**

p-i 9 minutes B&W: \$2.15  
This is the story of the beautiful princess who, under the spell of a wicked fairy, pricks her finger with a needle and falls into a hundred-year sleep. The entire palace remains under the spell until a handsome prince awakens the princess. They marry, become king and queen, and rule the land wisely and justly.

**SLEEPING BEAUTY (SF)**

p-i 9 minutes B&W: \$1.65  
The story of Sleeping Beauty, the princess bewitched into sleeping for 100 years, until awakened by the kiss of the handsome prince. Acted in pantomime while a narrator tells the story.

**SLEEPING BEAUTY—BRIAR ROSE (C)**

p-i 15 minutes Color: \$5.15  
Magnificently clad actors re-create medieval pageantry of the magical beauty of this fairy tale classic. This version of the beautiful princess whose century long sleep is ended by a kiss makes it a memorable film for reading background or as pure enjoyment.

**SLIDE RULE (THE C AND D SCALES) (USOE)**

h-e 22 minutes B&W: \$3.15  
The C and D scales of the slide rule and the use of these scales for multiplication and division are explained in detail. Combinations of the two operations—multiplication and division—are also given.

**SLIDE RULE (PROPORTION, PERCENTAGE, SQUARES, AND SQUARE ROOTS) (USOE)**

h-c 19 minutes B&W: \$3.15  
Shows how to use the B and C scales of the slide rule to calculate proportions and percentages, calculate squares and square roots. Simple problems are used to illustrate the methods.

**SLOW AS IN SLOTH (MIS)**

i-j-h-e 21 minutes Color: \$5.75  
The unusual anatomy and physiology of the sloth is considered in the laboratory. The sloth is also seen as it lives in its natural environment. Different sloth species are compared and many little known facts are illustrated and explained. The film teaches the important relationship between the animal and its environment.

**SMALL CRAFT SAFETY (KER)**

i-j-h-e-a 14 minutes B&W: \$2.90  
Shows that the increased use of boating as a recreation makes it necessary for persons to be familiar with small craft safety. Points out common causes of accidents, how they can be avoided, stresses safe conduct, rules of boating, rescue and life saving techniques involved in canoes, rowboats, outboards, and small sailboats.

**SMILES HAVE IT (BFS)**

p-i 11 minutes B&W: \$2.15  
Mary and Tommy go to the dentist for their quarterly dental checkup. By means of plaster models and drawings, Mary is shown what it means to have a cavity. Tommy reads a book which shows the relationship between the teeth of man and those of various animals. A trip to the zoo emphasizes what the children have learned in their visit to the dentist.

**SMOKE EATERS (McGH)**

i-j-h-a 17 minutes B&W: \$3.85  
Traces the development of fire-fighting techniques from the early bucket brigade days through the days of the steam pumper and three horsepower hook-and-ladder, up to modern times when fire-fighting equipment is of the finest. Shows the training of firemen. A typical fire is analyzed and the actions of the firemen are explained. The detection and arrest of a "fire bug" by fire department plain-clothesmen is depicted.

**SMOKED HAMS (WOODY WOODPECKER) (UW)**

p-i-j 6 minutes B&W: \$1.65, Color: \$2.55  
Woody Woodpecker, a night sleeper, disturbs the peace of a day sleeper but is repaid in full.

**SMOKEJUMPERS (CAA)**

general 10 minutes B&W: \$2.15  
Shows how the United States Forest Service has developed its own airborne squadron—smokejumpers, or parachute fire-fighters—to combat forest fires in the remote, roadless areas of our great North Country and the Southwest. Smokejumping is a fast efficient way of getting firefighters to where they are needed in such country. Every jump is a hazardous operation, but the film shows that the jumper is given maximum protection by reason of well-planned equipment and gruelling training. The film covers both the glamorous and unglamorous aspects of smokejumping and carries a dramatic forest fire prevention message.

**SMOKEY THE BEAR (USDA)**

h-c-a 5 minutes B&W: \$1.65  
A group of boys on a camping trip are reminded of their responsibility in helping to keep fire out of the forest, and they sing with Eddy Arnold a song entitled "Smokey the Bear."

**SMOKI SNAKE DANCE (AV)**

j-h-c-a 12 minutes Color: \$3.80  
To perpetuate the ancient rituals of Western Indians, the business men of Prescott, Arizona, have established "The Smoki People" who yearly present a program of tribal rites. The group engages in extensive research and planning to make costumes, headdresses and dances authentic. Participants are transformed by make-up and costume from one race to another. After the tribal ceremonies, the Snake Dance writhes across the plaza to an impressive climax.

**SMOOTH STARTS (JH)**

j-h-e 8 minutes B&W: \$2.15  
Illustrates the law of inertia as it applies to the problem of starting airplanes, boats, trains, and cars. We see that in the motorcar, friction carries the power from one race to another. After the tribal ceremonies, the Snake Dance writhes across the plaza to an impressive climax.

**SNAKES (C)**

i-j 10 minutes Color: \$3.40  
A conceptual film which will develop the idea of what a snake is; how it differs from other animals; how it resembles them; and how the snake illustrates nature's principle of adaptation.

**SNAKES ARE INTERESTING (DFP)**

general 10 minutes Color: \$3.40  
Presents facts about snakes to alleviate common fears and superstitions. Explains their body temperatures, method of locomotion, shedding of skins, egg laying and hatching, as well as the characteristics of poisonous snakes.

**SNAKES CAN BE INTERESTING (YA)**

i-j 11 minutes B&W: \$2.15, Color: \$3.90  
Illustrates the life cycle of the bull snake, a nonpoisonous North American species. Tells how to distinguish poisonous from nonpoisonous snakes, and presents some of the benefits of snakes to mankind.



**SNAP OUT OF IT (EMOTIONAL BALANCE) (C)**

j-h-c-a 13 minutes B&W: \$2.45  
A high school boy has worked hard for an "A" but gets only a "B" in history. His emotional upset at the disappointment brings him to the attention of the school principal. Under the principal's guidance, the boy learns how to set his goals realistically. A constructive approach to the problem of disappointment is worked out, and the boy regains emotional balance by facing the facts.

**SNAPPING TURTLE (EB)**

i-j-h 9 minutes B&W: \$2.15  
Presents the life story of an interesting reptile in its natural habitat. Unusual photographic studies permit observation of the snapping turtle's detailed features and habits. The laying of the eggs and the hatching are two outstanding episodes. A painted turtle is introduced for purposes of comparison.

**SNIFFLES AND SNEEZES (McGH)**

j-h 10 minutes B&W: \$2.35  
Why colds start, how they spread and what to do to prevent them are shown in this film. By means of a unique device, the film effectively portrays the most common ways in which cold-producing viruses are spread. It also shows ways in which the body defends itself against germs.

**SNOOKUM BEARS ON A RAMPAGE (UW)**

p-i 8 minutes B&W: \$1.70  
Three little bears make trouble for the cowhands on a ranch. They are into everything and delight in romping over a sleeping man or exploring his possessions. Horse thieves attempt to steal a prize mare in the middle of the night, but the "snookum" bears arouse the ranch hands. There is a terrific battle but the horse is saved and the trio's misdeeds are forgiven.

**SNOW RANGER (UW)**

i-j-h-c-a 15 minutes Color: \$4.15  
Shows how the snow ranger, official representative of the Forest Service, works in cooperation with the National Ski Patrol for the enjoyment and safety of thousands of winter-sports enthusiasts. Portrays facilities available in some of the most popular ski areas of the United States, and shows how skiers are safe-guarded from their possible errors.

**SNOW SPEED (UW)**

i-j-h-c-a 7 minutes B&W: \$1.70  
Shows ski jump champions, speeding ice boats, a horse race on a frozen lake, and bobsledding at Mt. Rainier's winter sports carnival.

**SNOW WHITE AND THE SEVEN DWARFS (SF)**

p-i 14 minutes B&W: \$4.15  
The Grimm fairy tale enacted by the Salzburg Marionettes.

**SNOWFLAKES (MIS)**

p-i 9 minutes Color: \$3.40  
Microphotography shows how snow crystals are formed and portrays their beauty.

**SO THIS IS LONDON (BIS)**

general 13 minutes B&W: \$2.65  
A tour of London, with all the historic landmarks and local color—the people and the houses in one of the greatest cities of the world.

**SOAP (EB)**

j-h 11 minutes B&W: \$2.15  
Explains the nature and cleansing action of soap in both hard and soft water. Contrasts methods of producing soap in a laboratory and in a modern factory.

**SOAPY, THE GERM FIGHTER (AVF)**

p-i 9 minutes Color: \$3.40  
Billy Martin meets "Soapy the Germ Fighter" who helps him understand that being clean is not "sissy" but is related to good health. Information about health officers and laws governing the handling and sale of foods further explains the importance of being clean. Billy accepts "Soapy" as a partner and learns the facts that help him to be his own health officer.

**SOCCER FOR GIRLS (C)**

j-h-c 10 minutes B&W: \$2.15  
Demonstrates the basic skills of soccer in easy-to-learn detail, with close-ups and slow motion, using skilled players. Includes the various kinds of traps, dribbles, and passes, and their applications to game situations.

**SOCCER—THE UNIVERSAL GAME (HPA)**

j-h-c-a 10 minutes B&W: \$1.90  
Intended as an introduction for Americans of all ages to the world's most widely played team sport—soccer. Demonstrates fundamentals and techniques of the game by means of both action shots and animated sequences.

**SOCIAL ACCEPTABILITY (McGH)**

c-a 21 minutes B&W: \$5.65  
Illustrates the correlation between social acceptability and successful adjustment and happiness of the average adolescent. Through the story of a high school girl, who fails to be accepted by the popular clique, the film points out the responsibility of adults to provide guidance in social skills.

**SOCIAL CHANGE IN A DEMOCRACY (UW)**

h-c-a 29 minutes B&W: \$4.15  
Students in a social studies class discuss the difference between conditions which exist in a democracy and in a totalitarian state, and learn first hand how a problem in their own community arising from a social change is solved by law and assembly, rather than by violence.

**SOCIAL CLASS IN AMERICA (McGH)**

h-c-a 16 minutes B&W: \$3.65  
Story of three young men and how their social class is in part determined by wealth, occupation, residential address and social status of parents.

**SOCIAL COURTESY (C)**

j-h 10 minutes B&W: \$2.25  
Demonstrates that getting along in social groups merely requires a natural, easy and courteous behavior. Shows how to improve social manners, how to appreciate the difference between formal and informal events, and how to learn the right thing to do.

**SOCIAL DANCING (C)**

j-h-c 10 minutes B&W: \$2.15  
Here are the two basic fox trot and waltz steps, with three simple variations. Both the boy's and girl's parts are shown in close view, and each step or variation is clearly explained with diagrammatic effects.

**SOCIAL PROCESS, THE: A SEMINAR WITH PROFESSOR HAROLD D. LASWELL (EB)**

h-c-a 22 minutes B&W: \$4.15  
Professor Harold D. Laswell, noted political scientist, conducts a seminar on the patterns of behavior common to all cultures. He develops the concept of the social process from the statement, "Man seeks values through institutions using resources," and explains a terminology growing out of this statement which he finds useful in analyzing any community.

**SOCIAL REVOLUTION (EB)**

j-h 17 minutes B&W: \$4.15  
Describes the process of revolutionary social change which has been transforming the modern world during the past two centuries and is still in progress. Points out that this process has proceeded peacefully in certain countries and has led to violence and social chaos in others. Suggests the responsibility of progressive nations to assume leadership in social changes.

**SOCIAL SECURITY (TFC)**

j-h-c-a 10 minutes B&W: \$2.15  
Interprets the operation of the Social Security Act from the time of its passage through its various steps to the final payment of checks to the beneficiaries. Registration is explained and illustrated. The operation of the claims division is explained and the procedures for payment are shown. *Restricted to Classroom Use.*

**SOCIAL-SEX ATTITUDES IN ADOLESCENCE (ADOLESCENT DEVELOPMENT SERIES) (McGH)**

h-c-a 22 minutes B&W: \$4.55  
Shows how teen-agers meet, and are helped to meet, the problems in their struggle to achieve mature social-sex attitudes. Follows the life story of a boy and a girl through their entire adolescent experiences culminating with their marriage.

**SOCIAL STUDIES TEACHING TECHNIQUE (BFS)**

c-a 21 minutes B&W: \$3.90  
Demonstrates successful methods of teaching social studies by showing how the teacher can initiate, develop, and conclude a unit of work.



SOFIA GIRLS (FON)

j-h-c-a                      11 minutes                      B&W: \$1.90  
Pupils of public school of Sofia parish in Stockholm are noted for their skill in gymnastics and rhythmic. The film shows the girls in the rhythmic exercises which have become associated with their name.

SOFTBALL FOR BOYS (C)

j-h                      10 minutes                      B&W: \$2.15  
Play ball! Boys will rally to the call with added enthusiasm after seeing this fast moving film. They'll want to try that hook-slide, pull that fast double play, improve their bunting technique. Slow motion photography is used to analyze the individual player skills and the principles of team play in actual game situations. Emphasis is also placed on pitching techniques.

SOFTBALL FOR GIRLS (C)

j-h-c                      10 minutes                      B&W: \$2.15  
Takes up the fundamental softball skills of throwing, catching, batting, and fielding. Each player's individual skill and coordinated teamplay is pointed out to show students how practice improves play.

SOFTBALL FUNDAMENTALS (YA)

i-j                      11 minutes                      B&W: \$2.15  
Junior high school girls demonstrate the techniques of batting, throwing, pitching, base-running, and fielding in softball.

SOFTBALL FUNDAMENTALS FOR ELEMENTARY GRADES (BFS)

i                      10 minutes                      B&W: \$2.15  
Girls and boys in elementary school class are seen on the playing field, learning to play their first game of softball. The children are shown the fundamentals of the game and how they are executed.

SOIL AND LIFE, THE (UW)

i-j                      14 minutes                      Color: \$4.70  
This film suggests ways in which the farmer "manages" his soil to obtain better harvests to provide food for all the world.

SOIL AND WATER CONSERVATION (UW)

j-h-c-a                      10 minutes                      B&W: \$1.65  
Briefly shows how conservation farming methods may prevent further destruction of the soil and water resources. Proper land usage is emphasized as a basis for conservation farming. Shows how several conservation practices are applied to the land.

SOIL CONSERVATION WITH REGULAR FARM EQUIPMENT (JD)

h-c-a                      22 minutes                      Color: \$2.15  
Shows how to use regular farm equipment in building terraces, filling ditches, and in making grass waterways. Shows how to farm on terraces and contoured land, including land preparation, planting, cultivating, harvesting, spreading manure, etc.

SOLAR FAMILY, THE (EB)

j-h-c-a                      11 minutes                      B&W: \$2.15  
In this picture the evolution of the solar system is described according to the planetesimal hypothesis. This is followed by a portrayal of the real and apparent motions of the planets. Reveals special phenomena pertaining to certain planets and describes the planetoids, Halley's comet, and the movement of the solar system.

SOLAR SYSTEM, THE (C)

i-j                      10 minutes                      B&W: \$2.15, Color: \$3.40  
The planets, their relative size, distances from the sun and the forces at work in the solar system are presented with imagination. An actual scale model of the solar system is set up. The relationship of the planets to each other, their orbits, and important highlights about gravitational attraction are illustrated. Light and heat are other important teaching points covered.

SOLAR SYSTEM, THE (ISO)

j-h-c-a                      10 minutes                      B&W: \$2.25  
A visit is made to Lowell Observatory for studies of the solar system. The planets which are shown are: Venus, Jupiter, Saturn, Uranus, Neptune and Pluto.

SOLID IVORY (UW)

p-i-j                      7 minutes                      B&W: \$1.65  
Woody Woodpecker tries to get a billiard ball from a hen.

SOLIDS IN THE WORLD AROUND US (CENCO)

h-c                      15 minutes                      Color: \$5.00  
The film explains how all of us have been exposed to solid geometry since the time of our birth. This is a motivational film, designed to stimulate the student's interest in solid geometry.

SOLIDS, LIQUIDS AND GASES (YA)

i-j                      8 minutes                      B&W: \$2.15  
As an introduction to the three states of matter, it distinguishes liquids, solids, and gases. Shows how a substance can change from one state to another when heated or cooled.

SOLUTIONS (C)

h-c                      15 minutes                      Color: \$5.35  
Solutions are defined, both ionic and non-ionic, and the common types visualized.

SOME CHARACTERISTICS OF GASES (EP)

j-h-c                      10 minutes                      B&W: \$2.15  
Shows some of the characteristics of gases as exemplified in atmosphere.

SOME CHARACTERISTICS OF LIQUIDS (EP)

h-c-a                      8 minutes                      B&W: \$1.90  
Properties and forms of liquids under varying conditions of temperature, pressure, etc. are depicted.

SOME PEOPLE STAYED HOME (TFC)

h-c-a                      10 minutes                      B&W: \$2.15  
An excerpt from the feature film, THE GREAT MCGINTY. Shows in satirical fashion the machinations of a great, but corrupt, political machine. A ward-heeler recruits tramps to vote in place of negligent citizens who fail to vote, and the machine candidate wins. Shows that failure to vote may not be merely neutral; it can be negative. *Restricted to Classroom Use.*

SOMETHING TO WRITE ABOUT (McGH)

j                      7 minutes                      B&W: \$2.15  
Three students discuss recent personal experiences. Their conversation is used to motivate the writing of their English themes.

SOMETHING YOU DIDN'T EAT (WDP)

general                      10 minutes                      Color: \$3.00  
Explains in entertaining details how one may learn to select a diet from the seven basic groups of foods to insure sufficient supply of the essential nutrients.

SON, THE (EB)

h-c-a                      28 minutes                      B&W: \$5.65  
A dramatic portrayal of a frequent rural problem—the tendency of a farmer's son to leave the land in favor of other employment. Presents the problem through the story of Howard, an only son who is working on his father's farm, and only receiving a small weekly pittance which offers little security and prevents him from marrying. Part of Howard's childhood is shown, with instances of boyish frustration caused by his father's insensitive domination. The resentment intensifies over the years, and finally erupts in a heated exchange which threatens a complete break between father and son. The film ends with their differences reconciled through a legal partnership agreement.

SONG OF A NATION (TFC)

i-j-h-c                      17 minutes                      Color: \$7.00  
A dramatization of the writing of "The Star Spangled Banner" by Francis Scott Key on board a British ship opposite Fort McHenry. *Restricted to Classroom Use.*

SONG OF SIAM (OUR CHANGING WORLD) (SF)

j-h-c-a                      10 minutes                      B&W: \$2.15  
The influence of western civilization on ancient Siamese habits and customs is portrayed. Bangkok's dancing girls are accompanied by a native orchestra. Shows the people and their way of life.



**SONG OF THE CLOUDS (SOC)**

c-a 39 minutes Color: \$2.15

This film discusses the international cooperation needed to weave all airline operations into a gigantic pattern of safety and control. It tells of the International Air Transport Association and the International Civil Aviation Organization, the work they do, how they do it, and where.

**SONG OF THE FEATHERED SEPENT (AS)**

j-h-c-a 21 minutes Color: \$2.15

Colorful Mexico in a background of ancient Indian custom brought down through thousands of years. The god of the Mayans, Aztecs, and Toltecs, still influences the lives of the Mexican Indian.

**SONG OF THE PRAIRIE (OF)**

general 17 minutes B&amp;W: \$3.35

A horse opera to end all horse operas. A satire on the singing cowboy, using Metropolitan Opera voices, that has everything: the hero with the wonder horse and wonder voice, the brave and beautiful heroine, the snarling villain, the bad, bad bandits, and guitars in the night. Even the stage-coach driver is woven into one hilariously-funny, all-singing, all-shooting, all-wooly Western.

**SONGBIRDS OF THE NORTH WOODS (TFC)**

i-j-h 10 minutes B&amp;W: \$1.90

Presents the songs and cries of the loon, the white-throated sparrow, the hermit thrush, the Mongolia warbler, the scarlet tanager, the goshawk, young northern woodpeckers, and the chickadee. *Restricted to Classroom Use.*

**SONGS OF STEPHEN FOSTER (TFC)**

i-j-h-c 11 minutes B&amp;W: \$1.90

A "community sing" film, presented by the Brown-Grayson group. Dressed in Southern costumes of the period, and against the background of a plantation, the group sings the following: *Oh Susannah, Beautiful Dreamer, Jeannie With the Light Brown Hair, Old Folks at Home, De' Camptown Races, and My Old Kentucky Home.* Lyrics appear on the screen, allowing audience participation. *Restricted to Classroom Use.*

**SONGS OF THE CAMPUS (McGH)**

j-h-c-a 16 minutes B&amp;W: \$3.85

In this compilation of well-known and popular songs of the campus, every section of the country is represented—twelve colleges, West Point, and Annapolis. Serving as "background" are views of campus activities at the different schools.

**SONS OF LIBERTY (TFC)**

j-h-c 22 minutes Color: \$4.65

A biography of the Jewish patriot, Haym Salomon, friend of George Washington, from the time he joined the patriotic organization, "Sons of Liberty" through the closing scenes of his life. Shows his capture and imprisonment by the British, and how he raised money for George Washington and the Continental Army. *Restricted to Classroom Use.*

**SOUND (PRIMARY SCIENCE) (GA)**

p-i 10 minutes B&amp;W: \$2.15

The Rangers' band parades down the street. The children learn that sound is caused by waves which are transmitted and received by the ear.

**SOUND (JR. SCIENCE SERIES) (McGH)**

j 13 minutes B&amp;W: \$2.60

Explains sound and pitch and demonstrates the making of a toy clarinet out of a soda straw.

**SOUND AND THE STORY (A)**

h-c-a 28 minutes Color: \$2.15

This film escorts the viewer into Boston's Symphony Hall and a recording session. After presenting the three requirements of Hi-Fi recording, it outlines the four stages involved in making a finished recording. It then shows how the finished product is merchandised to the consumer.

**SOUND FOR BEGINNERS (C)**

p-i 11 minutes B&amp;W: \$2.35

Slow-motion photography and visual demonstrations show that all sounds, even those of different volume and pitch, are caused by vibrations. A tuning fork illustrates the movement of sound vibrations through air. Also, shows that sound takes time to travel from its source to our ear and that sound can move through solids and liquids, as well as air.

**SOUND MAN, THE (TFC)**

j-h-c-a 10 minutes B&amp;W: \$1.65

The techniques and resources used to produce the sound for motion pictures are shown. The history of sound in movies is traced from its beginning to the present. The files of sound effects maintained by film studios are illustrated. *Restricted to Classroom Use.*

**SOUND OF A STONE (CEC)**

j-h-c-a 27 minutes B&amp;W: \$5.65

A high school teacher is criticized because of a book he has recommended. The rumor, gossip, and hate aroused cannot be stopped even though those who started it try to stop it. An excellent discussion film.

**SOUND RECORDING AND REPRODUCTION (EB)**

j-h 10 minutes B&amp;W: \$2.15

Explains the mechanics of sound transformation and transmission from the source to the loudspeaker in the motion picture projector. Concepts presented include the various types of sound track; the optical system employed in making the sound track; the motion picture print combining photography of picture and sound; and the reversal of recording processes in reproducing the sound record.

**SOUND WAVES AND THEIR SOURCES (EB)**

j-h-c 10 minutes B&amp;W: \$2.15

Demonstrates and explains several types of sound sources. The transmission of sound waves through the air is clearly visualized. The characteristics of sound waves such as frequency, amplitude, wave length, fundamentals, and harmonics, are explained visually with acoustic accompaniment. The high-speed camera, animation, sound effects, and an oscilloscope are used to clarify the phenomena of sound.

**SOUNDS ALL ABOUT US (EXPLORING SCIENCE) (C)**

i-j 10 minutes B&amp;W: \$2.25

Tells how one boy becomes aware of the world of sound which exists all about him. Through experimenting with a tuning fork, he finds that sounds are caused by vibrations or movement of different objects. Various sounds which all children will recognize are made use of to demonstrate that sounds can differ in pitch, in loudness, and in quality.

**SOUNDS IN THE SEA (MIS)**

j-h-c-a 17 minutes Color: \$4.40

Research in sounds beneath the sea. Shows how many fishes, crustaceans and mammals can be identified by the sounds they produce.

**SOUNDS OF MUSIC (C)**

j-h 10 minutes B&amp;W: \$2.15

A clear presentation of the characteristics of musical sound. Two youngsters meet the genial proprietor of their local music store, who, via the sounds and grooves of a phonograph record, demonstrates the principles of amplitude and frequency.

**SOURCE OF THE AMAZON (HFE)**

i-j-h-c 10 minutes Color: \$3.15

This excellent film gives the story of the birth of the world's greatest river, and also the life and work of the people who live at its headwaters. Careful mapping assists in telling of an area that is little known and seldom visited.

**SOURCES OF ELECTRICITY (EP)**

j-h-c-a 10 minutes B&amp;W: \$2.15

Suggests various ways in which electric phenomena may be produced as by magnetic induction, friction or chemical action. Illustrates similarity of all electric currents and by experiments explores the nature of electric currents and field of force.

**SOUTH AFRICA (MOT)**

j-h-c 10 minutes B&amp;W: \$2.85

South Africa's key position at the junction of the Atlantic and Indian Oceans and Jan Christian Smuts, only Dominion Prime Minister to have served in Britain's War Cabinet, are shown. Finally the film indicates the realism with which South Africa stands ready to meet postwar problems.

**SOUTH AFRICA (PHP)**

i-j-h-c-a 19 minutes Color: \$6.65

An overall picture of important aspects of life, industrial activities, agriculture, and mining. Includes the Zulus and their customs and the animals and scenery of Kruger National Park.



**SOUTH AMERICA (IFF)**

**j-h-c-a** 30 minutes Color: \$7.80  
Shows the geographical features, including Andes, Amazon River, high plains, and the pampas. Shows Indian cultures and present conditions. The contrast between the few wealthy land-owners and the many peons is portrayed. A brief discussion of the industrial efforts being made to improve the economy is given.

**SOUTH CHILE (OIAA)**

**j-h-c-a** 19 minutes B&W: \$2.15  
Pictures the region at the very southern-most part of South America. Grand glacial scenery and the story of sheep raising on a large scale feature this description of distant Patagonia.

**SOUTH PACIFIC ISLAND CHILDREN (LIFE IN FIJI) (EB)**

**i-j** 10 minutes Color: \$3.40  
Portrayal of family life in Viti Levu. Shows members of the Di Vara family at their daily activities—fishing, attending school, tending their garden, and constructing a house. Illustrates the importance of the coconut palm to the islanders and depicts a “fish drive” which ends in a feast and dance along the shore.

**SOUTH POLE OR BUST (UW)**

**p-i** 6 minutes B&W: \$1.70  
Maniac Mouse is flying to the South Pole, and he takes off with Pup Pilot. The plane hits an icy mountain and the noise disturbs Willie Walrus.

**SOUTHEAST ASIA: LANDS AND PEOPLES (C)**

**i-j-h** 13 minutes Color: \$4.20  
Burma, Thailand, Malaya, and Indochina, four countries in rapidly changing Asia, are seen as sources of vital world products that include rubber, oil, tin, teak, and rice. Observation of a farm family of Thailand emphasizes the importance of rice, the basic food crop, and provides a closer view of the people of southeast Asia.

**SOUTHEASTERN STATES, THE (EB)**

**i-j-h** 11 minutes B&W: \$2.15  
Shows living patterns in Arkansas, Louisiana, Mississippi, Alabama, Florida, Georgia, South Carolina, North Carolina, Virginia, Kentucky, and Tennessee, with a brief historical introduction. The stately plantation homes, mountaineer cabins, modern homes in southern cities, rolling bluegrass country, orchards, cotton and tobacco fields, farms, and factories all woven together tell the story of the region's twenty-eight million people and how their welfare is bound up with the national economy.

**SOUTHERN BRAZIL (OIAA)**

**j-h-c-a** 18 minutes B&W: \$2.15  
Brazil's march of progress as exemplified in its southern-most area; the states of Parana, Santa Catarina, and Rio Grande do Sul are shown. Here is Brazil's great cattle raising country and also its granary. Here too is a section that is grasping every opportunity to keep pace with modern industrial progress.

**SOUTHERN CHILE (TIP OF A CONTINENT) (HFE)**

**j-h-c** 11 minutes B&W: \$2.15  
Concerns the people, geography and history of one of Chile's most unusual regions. There are remarkable scenes of the Strait of Magellan, and a series of animated maps showing the effect the Panama Canal has had on ship traffic through the Strait and the once significant stop on the trade route, Punta Arenas.

**SOUTHWESTERN INDIAN DANCES (THIS LAND OF OURS SERIES) (IFI)**

**i-j** 9 minutes Color: \$3.10  
The typical dances of many tribes at the Gallup, New Mexico, Annual Inter-Tribal ceremonies, including the Eagle Dance and the Hoop Dance.

**SOUTHWESTERN STATES, THE (EB)**

**i-j-h** 11 minutes B&W: \$2.15  
Portrays aspects of life in areas of Texas, Oklahoma, New Mexico, and Arizona. Reference is made to the topography, rainfall, and other characteristic features including the imprint of Spanish and Indian cultures. Irrigation, stock raising, mining, agriculture, and oil extracting and refining are among the occupational activities shown. The exchange of goods and services with those of other sections of the country is depicted with animated photography.

**THE SOVIET UNION—AN INTRODUCTION (GJ)**

**j-h-c-a** 18 minutes Color: \$6.15  
The film shows how the small individual farms, common before the revolution, were collectivized into huge state-operated farms. The collective farms required fewer workers which brought about a great movement of people from the farms to the factory. Mechanization of Russia is shown and the contrast of old Russia and new is made showing the great strides made in industry and the need for more strides for the people. With both parents working, camps called Pioneer Camps are established to take care of the children. A good picture of Russia today.

**SOVIET UNION, THE: THE LAND AND THE PEOPLE (C)**

**i-j-h** 17 minutes B&W: \$3.35  
Surveying the largest country in the world, the film shows its great diversity in land forms, climate, and human activities. Emphasis is upon the trend toward future development as seen in expanding heavy industry, increased production, and wider use of previously undeveloped land.

**SOYBEAN STORY (ALC)**

**j-h-c-a** 18 minutes Color: \$2.15  
Pictures the growing and processing of the soybean.

**SPACE (BFS)**

**i-j-h-c-a** 9 minutes Color: \$3.40  
First prize winner of the 1955 California State Fair Art Film Festival, “Space” demonstrates the five most effective ways of representing space—size differences, vanishing points, color, overlapping, and space exaggeration.

**SPAIN (THIS WORLD OF OUR SERIES) (IFI)**

**i-j-h** 11 minutes Color: \$2.70  
Surveys the country and the life of its people.

**SPAIN IN THE NEW WORLD (EB)**

**i-j-h-a** 13 minutes Color: \$5.00  
Presents a vivid picture of colonial life in Mexico 200 years ago. Shows how Spain established a feudal system in Mexico and acquired great wealth and traces cultural influences.

**SPAIN: THE LAND AND THE PEOPLE (C)**

**i-j-h** 10 minutes B&W: \$2.15, Color: \$3.40  
This film journey takes the viewer from Madrid in the north to the fertile river valleys in the south. A visit is made to the cities and villages, and people of those places.

**SPANISH AND PORTUGUESE EXPLORATIONS (AGE OF DISCOVERY SERIES) (C)**

**i-j-h-c** 9 minutes B&W: \$2.15  
The contributions of Spain and Portugal are explained in the establishing of trade routes to the Orient and to the New World. Scenes from these countries provide a background for the accomplishments of Prince Henry, the Navigator; Diaz; Columbus; Vasco da Gama; Magellan; and other explorers.

**SPANISH CHILDREN (EB)**

**i-j** 11 minutes B&W: \$2.15  
The film provides a visit with a rural family of southern Spain. A trip by a boy and his father to the city and an evening at home celebrating the little daughter's birthday are charmingly portrayed. Particular emphasis is laid on the activities of the children in the family.

**SPANISH COLONIAL FAMILY OF THE SOUTHWEST (C)**

**i-j** 14 minutes B&W: \$2.90  
The film re-creates the life of a Spanish colonial family living on a self-sufficient hacienda in Southwestern United States in the early 19th century. We see the typical pattern of life on the hacienda itself and the roles of the Southwestern Indians and the Catholic mission in this representative Spanish culture adapted to life in the New World.

**SPANISH COMMUNITY LIFE (BFS)**

**i-j-h** 16 minutes Color: \$5.00  
Portrays the life of a farmer who lives with his family in a pueblo not far from Madrid. Shows that while small town life in Spain is often rigorous, the people find pleasure in family activities, social groups, and recreation. Illustrates ways in which Spain's modernization program is breaking down the old type of self-sufficient village.



**SPANISH CONQUEST OF THE NEW WORLD, THE (C)**

**i-j-h** 11 minutes **B&W: \$2.25, Color: \$3.40**  
Cortez, Pizarro, Balboa, De Soto and other men who won a great empire for Spain take on a new meaning as we see the new lands conquered, cities built, and Indian civilizations overthrown and replaced with the culture of Spain.

**SPANISH ENRICHES THE ELEMENTARY CURRICULUM (BFS)**

**i-j-h-c** 14 minutes **B&W: \$3.15**  
A Spanish language film. How a sixth grade teacher creates interest in learning a foreign language. The teacher and pupils carry on their discussions in Spanish; learn the names of various fruits and vegetables; and dramatize a market scene in order to learn how to count in Spanish and how to identify coins. Later the children play a game of fruit basket and sing Spanish folk songs.

**SPANISH GYPSIES (AFF)**

**c-a** 10 minutes **B&W: \$2.15**  
The setting is a grotto in Granada where a family festival is being held by Spanish gypsies. Juan Salido and a group of artists perform a series of flamenco folk dances and songs.

**SPANISH INFLUENCE IN THE UNITED STATES (C)**

**i-j-h-a** 11 minutes **B&W: \$2.15, Color: \$3.40**  
Even though Dolores and Don live in the midwest, they find that our Spanish heritage plays an important part in their lives. By clearly surveying the world around them, they come to realize that this influence has become very much a part of all our daily lives.

**SPANISH: INTRODUCING THE LANGUAGE (C)**

**j-h-c-a** 11 minutes **B&W: \$2.35**  
Spanish is a language that is more familiar to us than we think. Colorful scenes of activities typical of the Spanish-speaking world, examples of Spanish words in our own language, and a brief dramatization using Spanish dialogue—all help acquaint the viewer with the Spanish language and stimulate interest in learning it. A Spanish song and several common expressions are taught.

**SPARKY, THE COLT (C)**

**p-i** 9 minutes **B&W: \$2.15, Color: \$3.40**  
From the moment the children "discover" Sparky, the wobbly little colt, they'll eagerly follow his adventures as he grows strong, learns to trot across the fields, and finally makes friends with his little master.

**SPEAKING OF RUBBER (USRC)**

**general** 28 minutes **B&W: \$2.15**  
A retired employee tells his grandson about rubber, the people who make rubber goods, the industry, and the nation which makes this production possible. Includes scenes of rubber plantations, synthetic rubber plants, manufacturing processes, and laboratory testing.

**SPECIAL DAYS IN FEBRUARY (C)**

**p-i** 10 minutes **B&W: \$2.15, Color: \$3.40**  
Explains reasons for observing the three special days in February: Lincoln's birthday, Valentine's Day, and Washington's birthday.

**SPECTROGRAPH, THE (McGH)**

**h-c-a** 20 minutes **Color: \$6.65**  
Demonstrates the nature and principles of the spectrograph. Shows how the range of the spectrogram can be increased through the quartz prism and the diffraction grating, and demonstrates the uses of the spectrograph as relating to qualitative and quantitative detection of impurities for industrial purposes.

**SPEECH: CONDUCTING A MEETING (YA)**

**h-c-a** 11 minutes **B&W: \$2.15**  
Demonstrates and explains the basic parliamentary procedures which contribute to an efficient and successful meeting.

**SPEECH: CONVERSATION (YA)**

**h-c-a** 11 minutes **B&W: \$2.15**  
Demonstrates and explains how conversation reaches into every phase of our everyday life; that it is our surest way of making or losing friends, of being hired or fired. The film illustrates some of the important do's and don'ts of effective speech techniques.

**SPEECH: EFFECTIVE LISTENING (McGH)**

**h-c-a** 15 minutes **B&W: \$3.20**  
Demonstrates the importance of listening in the communication process. Points out the major obstacles to effective listening, and discusses the ways in which good listening habits can be developed.

**SPEECH: FUNCTION OF GESTURES (YA)**

**h-c-a** 10 minutes **B&W: \$2.15**  
Explains the function of the gesture in public speaking, and points out how the speech can be made much more effective by using the correct gestures at the correct time. Illustrates some commonly used gestures and their function.

**SPEECH: GROUP DISCUSSION (YA)**

**h-c-a** 11 minutes **B&W: \$2.15**  
Dramatizes the five steps in producing a discussion; shows different types of discussions: symposium and panels, forum, conferences.

**SPEECH: PLANNING YOUR TALK (YA)**

**h-c-a** 11 minutes **B&W: \$2.15**  
Explains how to plan and organize your talk for greater effectiveness in speaking to groups.

**SPEECH: PLATFORM POSTURE AND APPEARANCE (YA)**

**h-c-a** 11 minutes **B&W: \$2.15**  
Deals with the importance of good appearance and proper posture to the public speaker's success. Each element is treated in detail from the viewpoint of the inexperienced speaker, as the film points out that the audience is impressed as much by what it sees as by what it hears.

**SPEECH: STAGE FRIGHT AND WHAT TO DO ABOUT IT (YA)**

**h-c-a** 10 minutes **B&W: \$2.15**  
Analyzes the causes of stage fright, and shows the inexperienced public speaker what he can do to overcome it, both in the preparation for his talk and presentation.

**SPEECH TRAINING FOR THE HANDICAPPED CHILD (UI)**

**c-a** 28 minutes **Color: \$5.90**  
Four universities engaged in speech correction work are shown in a summer program designed for children with speech defects caused by cleft palates and cerebral palsy.

**SPEECH: USING VISUALS IN YOUR SPEECH (McGH)**

**h-c-a** 13 minutes **Color: \$4.90**  
By showing how to use various kinds of visual methods and devices in a talk, this film illustrates the manner in which the speech is made more interesting and more effective.

**SPEECH: USING YOUR VOICE (YA)**

**h-c-a** 9 minutes **B&W: \$2.15**  
Directed at the problem of common speech faults in both formal and informal speaking, explaining how to make the most of voice in everyday life situations. Points out that most speech faults are due purely to carelessness, and then demonstrates and explains how to correct such faults.

**SPEED-A-WAY (LAR)**

**j-h-c** 10 minutes **B&W: \$2.15**  
This new game for boys and girls is a combination of the elements of soccer, basketball, speedball, field ball, and hockey with an opportunity for players to run with the ball.

**SPEED AND REFLEXES (PRP)**

**j-h-c-a** 11 minutes **B&W: \$2.15**  
Designed to instruct amateur and professional drivers alike. The human reflex and reaction is demonstrated and explained. Also explained are the effects of fatigue upon reflexes and visibility range. Shows why we should not exceed speeds which violate natural laws and our own physical limitations.

**SPEED OF LIGHT, THE (EB)**

**j-h-c** 14 minutes **B&W: \$3.45**  
Shows how Galileo, Fizeau, Roemer, and Michelson contributed to the measurement of the speed of light and indicates some of the most important applications of this constant today.



**SPEEDBALL FOR GIRLS (C)**

j-h-c 10 minutes B&amp;W: \$2.15

Introduces students to an exciting game which is rapidly growing in popularity. The film lucidly explains players' positions on the field, the rules of the game, techniques in developing team cooperation and individual skills—kicking, juggling, volleying, passing, and receiving.

**SPEEDING YOUR READING (TAE)**

j-h-c-a 9 minutes B&amp;W: \$2.15

Illustrates fundamental principles involved in correct reading habits and how to develop reading speed. Explains the meaning of "span of recognition" and shows how development of span may be achieved. Illustrates correct eye movements and shows how to develop them.

**SPEEDWAY (OF)**

j-h-c-a 9 minutes B&amp;W: \$1.70

All types of automobile racing in France, England, and Monte Carlo along with thrills at the Indianapolis Speedway make this an interesting film.

**SPELLING AND LEARNING (USC)**

c-a 18 minutes B&amp;W: \$3.65

Teaching of spelling techniques is shown in an actual classroom situation with the children responding to the stimulation of competent instruction. The importance of motivation in learning is emphasized.

**SPELLING FOR BEGINNERS (C)**

p 11 minutes B&amp;W: \$2.35

This film aids the beginning speller by focusing on the four spelling "helpers": LOOK, LISTEN, SAY, AND WRITE. Describes practical, tested ways children can learn to spell. Gives special attention to such problems as homonyms, reversed letters, and silent letters. Includes sequences detailing the "corrected test" method.

**SPELLING IS EASY (C)**

i-j 10 minutes B&amp;W: \$2.25

Presents the five basic rules for learning to spell.

**SPHERICAL MIRRORS (UW)**

h-c-a 11 minutes B&amp;W: \$2.25

By demonstration, the characteristics of concave and convex mirrors are explained. The properties of images formed by spherical mirrors are presented by animated diagrams and examined in detail. Characteristics of real and virtual images are contrasted by studying their formation when objects are placed in different positions. Finally, practical applications of spherical mirrors are illustrated.

**SPIC AND SPAN (IFI)**

p-i-j 7 minutes B&amp;W: \$2.15

Shows that personal satisfaction and happy relations with members of the family and with others are based in part upon neatness and cleanliness.

**SPIDER AND THE ANT, THE (OF)**

p-i-j 9 minutes B&amp;W: \$1.65

The ant and his girl friend are having a fine time until Mr. Spider catches them in his web. But the rest of the ants, using a snail as a tank, come to their rescue and land Mr. Spider in jail.

**SPIDER ENGINEERS (MIS)**

j-h-c-a 18 minutes Color: \$4.40

Shows the activities of the orb-weaver, the bolas spider, the diving spider, and the trapdoor spider. Compares the engineering skills of man to those of the spiders.

**SPIDERS (EB)**

j-h-c 11 minutes B&amp;W: \$2.15

The life cycle of the nursery-web spider and peculiar habits and characteristics of the orb-web, funnel-web, and trap-door spiders are illustrated. Shows their home building ability and fearlessness as hunters or providers.

**SPINAL COLUMN, THE (EB)**

j-h-c 11 minutes B&amp;W: \$2.15

Supplementing live action scenes with x-ray and stop-motion photography, animated drawings, and graphic close-ups, this film provides a detailed study of the structure and functions of the spinal column. The five spinal regions are identified. The curvatures of the spine are described, and the importance of good posture is stressed.

**SPINDLETOP: THE FIRST GREAT TEXAS OIL STRIKE (YOU ARE THERE) (CBS)**

j-h-c-a 27 minutes B&amp;W: \$5.65

A new era is born as this rich oil strike is accomplished. America is to become one of the richest and largest oil producers in the world and this oil strike on January 10, 1901, in Beaumont, Texas, marks the beginning.

**SPINNING OBJECTS (JUNIOR SCIENCE SERIES) (McGH)**

j 11 minutes B&amp;W: \$2.15

Shows what happens to objects when they are spinning. Demonstrates why a top stays up while it is spinning; why one makes a football "spiral" when one throws a pass; and why a hoop stays up while it is rolling. Explains what "precession" is. Shows how a gyroscope works and how it is used.

**SPINNING WHEEL (AB)**

i-j 9 minutes B&amp;W: \$1.90

As Grandmother teaches Elaine to spin, we see close-ups of carding, rolling curls, and spinning. We also study various parts of the "wheel" and the method of doubling the yarn for knitting.

**SPIRIT OF ALGONQUIN (NFBC)**

general 19 minutes Color: \$2.15

Follows the activities of boys and girls in their summer camps at Algonquin Park in Ontario. Under the guidance of experienced counsellors, they make the most of their idyllic vacation. They learn about creatures of the wild, and acquire the zestful skills of outdoor life—swimming, fishing, riding, canoeing, campfire cooking, and the lasting values of various experiences shared with others.

**SPIRIT OF THE EARTH (AS)**

j-h-c-a 22 minutes Color: \$2.15

Scenic grandeur of the West unfolds along with the legend of Old Faithful. The film explains the legend of two Indian braves, Red Cloud and Yellow Bull, and their pursuit of White Deer, a lovely Indian girl. Viewers find that Old Faithful actually is Yellow Bull's grieving over the loss of the girl.

**SPLITS, SPARES, AND STRIKES (TFC)**

h-c-a 10 minutes B&amp;W: \$2.15

Championship form is demonstrated by Tillie Taylor, famous woman bowler. *Restricted to Classroom Use.*

**SPOKEN WORD, THE (CAA)**

h-c 10 minutes B&amp;W: \$2.15

Explains good speech techniques and the proper handling of equipment necessary in telecommunications between aircraft and ground services personnel. Of special interest to air traffic controllers, pilots, and communications personnel.

**SPORT'S GOLDEN AGE (McGH)**

h-c-a 15 minutes B&amp;W: \$3.85

Emphasizes America's propensity for sports of all kinds. Shows sports greats in action: Knute Rockne, Red Grange, Johnny Weissmuller, Jack Dempsey, Joe Louis, Bob Feller, Joe Dimaggio. Shows the making of sports equipment. Presents Americans enjoying sports from swimming to skiing.

**SPORTS 'ROUND THE GLOBE (UW)**

j-h-c-a 9 minutes B&amp;W: \$1.70

An exciting selection of outstanding sports events filmed by foreign cameramen—including bicycle polo, motorcycle soccer, one-leg skiing in the Alps, auto race on slippery roads, Grand National Steeplechase and other thrilling events.

**SPORTS SPELLBINDERS (OF)**

j-h-c-a 10 minutes B&amp;W: \$1.70

Performers in this film feature skiing on sand and water, shooting dangerous rapids, mile-a-minute motorboat races, motorcycle races and ancient autos in daredevil races.

**SPOT NEWS (JH)**

h-c-a 10 minutes B&amp;W: \$1.90

Explains the operation of the equipment used for transmitting and receiving wire photos.

**SPOTTY: STORY OF A FAWN (C)**

p-i 10 minutes Color: \$3.40

Filmed in the North Woods, the adventures of Spotty, the wild fawn, are believable and fascinating. Participation devices are aurally and visually built into the picture and the narration has been keyed to primary grade word lists.



**SPOTTY THE FAWN IN WINTER (C)**

p-i 11 minutes B&W: \$2.25  
 Summer has turned to autumn in the North Woods and, little by little, Spotty is changing and growing. One morning late in the fall, he awakens to find the entire forest covered with snow, creating a strange new world for him. Later, when the heavy snows come, the kindness and friendship of a little girl who puts out food for him, helps Spotty survive his first winter.

**SPRING COMES TO A POND (FON)**

i-j-h-c-a 13 minutes Color: \$4.30  
 Pictures the birth and life of birds, insects, frogs, and ducks in and around a pond in the springtime.

**SPRING IS AN ADVENTURE (C)**

p-i 11 minutes Color: \$3.40  
 Records many of the exciting changes in trees, birds, flowers, and animals which come with the spring.

**SPRING ON THE FARM (EB)**

p-i 11 minutes Color: \$3.40  
 Photographed in beautiful color, we follow Joan and Jerry Johnson as they observe the many interesting things that happen to the Johnson farm during the months of March, April, and May.

**SPRINGBOARD AND FRONT APPROACH (UW)**

j-h-c 11 minutes Color: \$3.80  
 An excellent film on diving which stresses the importance of approach and spring. Slow motion photography analyzes approach, hurdle and take-off. Demonstrations by Olympic champion Vicki Draves.

**SPRINGBOARD DIVING (UC)**

j-h-c 13 minutes B&W: \$3.90  
 Shows the fundamentals of springboard diving with detailed illustrations of the position of the body in the air, the proper use of feet and arms, and the approach and take-off from the springboard. Techniques for the swan dive, running front dive, and the back jump and exercises for control of the body in the air are also depicted.

**SPRINGBOARD TECHNIQUES (C)**

j-h 11 minutes B&W: \$2.15  
 Proper use of the springboard is explained in this film as a prerequisite to skillful diving. Stop motion and slow motion are used for detailed analysis of lifts, tucks, somersaults, and other skills. Techniques are summarized in a final sequence of outdoor shots showing the finished performance of expert divers.

**SPRINTS, THE (UW)**

j-h-c 21 minutes B&W: \$3.95  
 The fundamentals of the 100 and 220 yard dash, including impact style and natural stretch stride, synchronization of leg and arm action, starting techniques, placement and digging of start holes, foot movement, balanced arm action, backward arm jab, and the counterbalance of the arms.

**SPRUCE BOG, THE (McGH)**

h-c 23 minutes Color: \$7.65  
 A description is given of the conditions under which a spruce bog is formed, with details of the plant types found at successive stages of development from open water to mature spruce forest. Time-lapse photography is used to illustrate the growth and decay of the vegetation.

**SQUARE DANCE MEDLEY (OF)**

i-j-h-c-a 10 minutes B&W: \$2.15  
 Includes the Lady Around the Lady; Duck for the Oyster, Dig for the Clam; and Hinky Dinky Parley Vous.

**SQUARE DANCING (OSG)**

i-j-h-c-a 14 minutes Color: \$4.15  
 The purpose of the film is to arouse interest and depict the fun and wholesome features of square dancing.

**SQUEAK, THE SQUIRREL (CW)**

p-i 14 minutes Color: \$3.40  
 Illustrates how an animal can learn to find food that is hidden from view or out of reach. Aside from showing how Squeak learns, the film points up the value of the scientific method for investigating animal behavior. Certain parts of Squeak's

surroundings are systematically changed, while everything else remains the same. By this procedure we can determine precisely how well Squeak can adjust to a new situation.

**SQUIRREL IN TREES (IU)**

p-i 6 minutes B&W: \$1.65  
 Narrator explains the rules of this active game as it is played by a group. Shows how trees are formed and how the squirrel gets into the tree. Pictures the squirrels exchanging tree homes at the command "change." Two simple variations are shown: "squirrel follow squirrel" and "squirrel chase squirrel."

**STAGE MAKE-UP: YOUTHFUL ROLES (C)**

h 13½ minutes B&W: \$2.90  
 Effective make-up is an important part of developing a character on-stage. In this film two young people are shown making up for ingenue and juvenile roles. They demonstrate step by step what make-up to use and the proper techniques in applying it.

**STAGECOACH, THE (AB)**

j-h-c-a 16 minutes B&W: \$3.35  
 Shows how the stagecoach carried mail, express, and passengers to link East and West in the middle 1880's. Describes the overland routes and journey; discusses the replacement of the overland stage by the "iron horse"; and explains how the stagecoach continued to serve in the West.

**STAGECRAFT: GENERAL SCENERY CONSTRUCTION (C)**

j-h-c 16 minutes B&W: \$3.45  
 The construction of door and window flats, steps, and parallels, is much easier if we follow the proper procedures. We see how door and window flats are constructed and learn some of the terms commonly used: scene jack, saddle iron, window thickness. A simplified method of building steps and a collapsible parallel is also presented.

**STAGECRAFT: SCENERY FRAME CONSTRUCTION (C)**

j-h-c 11 minutes B&W: \$2.35  
 The frame—the basic unit of scenery construction—is taken up in this film. We follow its actual construction from the selection of the proper type of lumber, through the final stages prior to painting. The component parts of the frame are shown as they are used in the step-by-step construction.

**STAGECRAFT: SCENERY PAINTING (C)**

j-h-c 8 minutes B&W: \$1.90  
 This film takes up the problem of painting scenery. The material used and the proper method of mixing and applying are demonstrated. Techniques are shown which will help produce various interesting effects.

**STAGECRAFT: STAGE LIGHTING (C)**

j-h-c 10 minutes B&W: \$2.35  
 Lighting, perhaps the most important single element in stagecraft, must be controlled to achieve the desired effects. We begin with a light plot and work from it to develop the final lighting set-up. The design and use of common stage lighting equipment is presented and explained.

**STAINLESS STEEL (USBM)**

h-c 26 minutes B&W: \$2.15  
 Emphasizes the cost of protection against waste and destruction produced by rust. The corrosion-resistant quality of stainless steel is illustrated by tests. Making of stainless steel is depicted.

**STAMPEDE (UW)**

general 9 minutes B&W: \$1.70  
 A clash over the use of a water hole threatens the extinction of thousands of cattle until the desperate rancher drives them into town to the public troughs. His ruthless rival frightens the herd into a thundering stampede. A wild gun fight ensues and justice finally triumphs.

**STANDARD SOLUTIONS AND TITRATION (CHEMISTRY LAB. SERIES) (C)**

h-c 21 minutes Color: \$6.65  
 A sodium hydroxide solution is prepared and standardized against potassium hydrogen phthalate. This sodium hydroxide solution is then used to determine the acetic acid concentration of a sample of white vinegar. The equivalent weight of an unknown acid is determined. The calculations involved are discussed for each of the above operations.



## THE STANDARDIZED TEST—AN EDUCATIONAL TOOL (IFB)

c-a 25 minutes B&W: \$4.65  
An eighth grade teacher who needs systematic and reliable information about the reading skills of her students decides to use a standardized group test. Results combined with other information available to her enable her to adjust her teaching to the abilities and needs of each child in her class. Special attention is given to the criteria used in selection of an appropriate test, procedures in test administration, and the value of a standardized test to the teacher who understands its proper use in education.

## STANDING WAVES ON TRANSMISSION LINES (RADIO TECHNICIAN TRAINING SERIES) (CAA)

h-c-a 22 minutes B&W: \$2.15  
An inquiry is made into the results, causes, and prevention of standing waves in radio high frequency transmission lines.

## THE STANFORD-BINET TEST (IFB)

c-a 22 minutes B&W: \$4.15  
This film demonstrates the composition of this widely-used instrument for the measurement of intelligence, its administration, interpretation, and use. Concrete illustrations are given of the testing process, of students who can be better understood as a result of this testing, and of cooperative follow-up efforts. The film introduces technical measurement concepts which are necessary to an understanding of the values and limitations of such testing.

## STANLEY FINDS LIVINGSTONE (YOU ARE THERE) (CBS)

j-h-c-a 27 minutes B&W: \$5.65  
After months and months of fruitless searching, Henry Stanley, a New York reporter finally accomplishes his mission. He locates David Livingstone, a Scottish missionary-explorer, who has not been heard from for three years.

## STANLEY TAKES A TRIP (NFBC)

p-i-j 9 minutes B&W: \$2.15  
A fish and several barnyard animals, concerned over Stanley's listlessness, diagnose his ailment as faulty nutrition. On the back of a bull they set out to acquaint him with the essentials of a proper diet; at each stop they secure a food prescribed by Canada's food rules. Stanley returns home to find all the required foods right in his mother's kitchen.

## STAR GAZERS (ACFC)

i-j-h-c 10 minutes B&W: \$1.65  
The film shows the history of star gazing from Galileo's humble beginning in the use of the telescope to the huge observatories of today by which we have been able to enlarge our knowledge of the stars and the nature of our universe. Highlights of Galileo's career illustrate man's persistent search for truth.

## STARFIGHTER (AIR POWER SERIES) (CBS)

h-c-a 28 minutes B&W: \$5.65  
Filmed at the Lockheed plant in Burbank and at Edwards Air Force Base, California, this is the story of the testing and acceptance by the U.S. Air Force of the Lockheed F-104, the fastest operational supersonic jet fighter in the world.

## STARS AND STAR SYSTEMS (EB)

j-h 16 minutes B&W: \$3.45  
With the most powerful telescopes available today, astronomers have been able to photograph about one and one-half billion stars. Even this great number is probably only a small part of all the universe. This film shows an astronomer at work with a telescope. A radio telescope and balloon are seen as other methods of astronomical observation. The film is concerned mainly with the vastness of the universe and the heavenly bodies of which it is composed.

## STARS AND STRIPES (NFBC)

general 4 minutes Color: \$2.15  
Norman McLaren draws directly on film to produce rippling stripes and gay sparkling stars that jump and undulate, dash about the screen, and break into effects suggesting a fireworks display. Sometimes part of a stripe pursues a star. Finally, the stars become flashing meteors and burst in light and color.

## STARS AND STRIPES ON DISPLAY (IU)

i-j-h-a 15 minutes B&W: \$3.15  
How to honor and respect the American Flag—what the flag stands for—how to salute, display, care for, and discard the American Flag.

## STARS IN STRIPES (McGH)

p-i-a 11 minutes Color: \$3.65  
The story of three tigers born in the Bronx Zoo and reared in the apartment of Mrs. Fred Martini, wife of the lion house keeper. Shows the care and growth of the tiger triplets from infancy to maturity.

## STARS IN YOUR CROWN (SCP)

c-a 21 minutes B&W: \$4.55  
Portrays the importance of leading pupils to a personal acceptance of Christ as Savior through individual contacts. Shows how to cope with spiritual problems and heart attitudes of various age-levels.

## START 'EM FLYING (CWC)

h-c-a 22 minutes B&W: \$2.15  
Presents how the Air Force P-40 airplane is produced. Depicts the whole process from the arrival of the materials by railroad to the taking off of an airplane, the finished product.

## STARTING—TAXIING—TAKING OFF (CAA)

h-c 7 minutes B&W: \$2.15  
Describes landing gear; the complete process of starting the engine; the use of the tab to produce or overcome nose or tail heaviness and the cautions about take-offs.

## STATE LEGISLATURE (A)

j-h-c-a 22 minutes B&W: \$4.15  
Explains the detailed procedure of the legislative branch of our state government in the enactment of a state law. Starts with the origin, need, and reasons for a law and shows, step-by-step, how surveys and statistical data are obtained to back it as a bill, how it is introduced, discussed and passed by the Assembly, concurred in by the Senate, signed by the Governor, then challenged and reviewed by the state Supreme Court.

## STATE TROOPERS (McGH)

j-h-c-a 17 minutes B&W: \$3.85  
Follows the activities of a recruit of the Connecticut State Police to show how State Troopers are trained and equipped to fight crime.

## STATES OF MATTER (JUNIOR SCIENCE SERIES) (McGH)

j 11 minutes B&W: \$2.15  
Defines matter and differentiates solids, liquids, and gases. Explains why two objects cannot occupy the same space at the same time. Demonstrates stunts with matter that children can do: an open bottle into which liquid cannot be poured; a handkerchief that does not get wet when put under water. Explains why things dissolve. Shows an experiment to prove that matter cannot be destroyed.

## STATIC ELECTRICITY (JUNIOR SCIENCE SERIES) (McGH)

j 11 minutes B&W: \$2.15  
Defines static electricity. States the rule of static electricity—objects with the same electrical charges repel each other, objects with different electrical charges attract each other. Shows stunts with static electricity—the mysterious strips of paper, a balloon that clings to one, and a pencil that moves even though one does not touch it. Explains what "induction" is and why lightning occurs during an electrical storm.

## STATIONARY LONGITUDINAL WAVES: PHYSICS SERIES (McGH)

c-a 10 minutes B&W: \$2.15  
A string of beads connected by light springs constitutes the medium. Both a pulse and a steady train of waves are shown. The situation at a fixed end and at a free end is discussed. In conclusion the film touches on pipe resonance.

## STATIONARY TRANSVERSE WAVES: PHYSICS SERIES (McGH)

c-a 10 minutes B&W: \$2.15  
The nature of stationary waves is approached from the standpoint of kinematics. Pulse reflection at the fixed end of a stretched string is studied, including phase change. Conclusions are applied to the reflection of a steady wave-train at a string boundary. Nodes and anti-nodes are identified as well as their positions related to the wave length.

## STEADFAST TIN SOLDIER, THE (BRF)

general 16 minutes Color: \$5.35  
From the story by Hans Christian Andersen. The sad story of the one-legged toy soldier who falls in love with a ballet



doll, and then (under the spell of the goblin jack-in-the-box) goes through all sorts of adventurous mishaps. Fine English narration and excellent music.

### STEAM AGE, THE (HISTORY OF TRANSPORTATION IN THE UNITED STATES, PART I) (EB)

i-j-h 18 minutes B&W: \$3.45  
Describes the swift development of transportation in the United States from the time of the Indians to the coming of the automobile. Utilizing historical re-enactments and unusual prints of the period, this film illustrates man's struggle to conquer the vast distances on the North American continent.

### STEAM ENGINE, THE (YA)

i-j 10 minutes B&W: \$2.15  
Describes the efforts of primitive man to do work chiefly with his own, and animal muscles; compares the methods of work from the time of the first steam-powered loom to the modern diesel electric-powered locomotive. Cause and effect relationships are treated and their social and economic implications are noted.

### STEAM ENGINE: HOW IT WORKS (EB)

i-j 11 minutes B&W: \$2.35  
Using animated drawings, the film traces the history of the steam engine from the second century B.C. Experiments that show the physical properties of steam and an appraisal of the work of Newcomen and Watt, provide a good insight into how the power of steam can be translated into motion. The drawings are particularly effective in the sequence that describes, step by step, the detailed operation of the reciprocating engine.

### STEAM FOR POWER (AP)

h-c-a 43 minutes Color: \$6.15  
Makes extensive use of animation in tracing the history of man's effort to obtain abundant and economical steam power. Shows each step in the development of modern boilers and the reason for it. Concluding sequences present the erection of a large radiant boiler in a power station.

### STEAM TURBINE, THE (YA)

j-h-c-a 8 minutes B&W: \$2.15  
The historical development of the steam turbine is traced. The principles of its operation and its applications in our world today are explained. Animation is used for basic explanations.

### STEEL RULE, THE (USOE)

h-c 11 minutes B&W: \$2.90  
Emphasizes the variations of the steel rule; the type of scales found on them; their proper use; and the correct procedures in transferring measurements by means of calipers and dividers.

### STEFAN ON SUNDAY (EB)

p-i 14 minutes Color: \$5.00  
In a little Swedish village a young boy discovers that one day in the week is different from all others. His usual weekday job is to pick up the morning's milk. This task takes him around the village, allowing him to visit his many friends and to stop at familiar places. But one morning of the week Stefan finds the milk shop closed. His discovery of why this is so will delight and interest all children.

### STEP-SAVING KITCHEN, A (USDA)

general 14 minutes Color: \$3.75  
This film shows a kitchen designed with a view toward attractiveness and a maximum of efficiency with a minimum of walking, stooping, lifting and stretching. It has many new features, but the basic difference between this and many other modern kitchens is in the arrangement of work areas.

### STEPHEN FOSTER AND HIS SONGS (C)

j-h-c-a 16 minutes Color: \$5.30  
The songs of Stephen Foster remain among the most popular throughout American history. This sensitive, moving portrayal traces his life, the highlights and the disappointments, and provides us with the historical background of the creation of some of his best known songs. These songs are presented against this background of his life, and the people and times which influenced it.

### STEPHEN FOSTER MELODIES (OF)

j-h-a 7 minutes B&W: \$1.70  
Delightful musical filmed against lavish settings of the Old South with colonial mansions, hoop skirts and strumming banjos. The film features Foster's immortal *Beautiful Dreamer*, *Old Black Joe*, *Jeannie with the Light Brown Hair*, *Camptown Races*, and *Swanee River*.

### STEPS OF AGE (IFB)

c-a 25 minutes B&W: \$4.15  
Presents the emotional problems and interpersonal relationships within the family faced by a woman of 62 who must help her husband adjust to the fact that he must retire from his job. Then shows the continuing problems which face her after his death, when she must face the fact that she is "useless." Emphasizes that one must begin early in life to adjust to the problems which all human beings face when they grow old.

### STEPS OF THE BALLET (EB)

j-h-a 25 minutes B&W: \$4.65  
The film shows the basic classical positions and movements of the ballet. During rehearsal, the work of the choreographer, the composer, and the designer are explained. Then a finished performance is presented. Music is played by the London Symphony Orchestra. Robert Helpmann, famous choreographer and dancer, is the narrator.

### STORES IN OUR COMMUNITY (C)

p 10 minutes B&W: \$2.25, Color: \$3.40  
Shows the service that stores provide in the community in which we live. Leads to reading, arithmetic, and story-telling.

### STORIES OF HOLLAND (BACKGROUND FOR READING) (C)

i-j 10 minutes B&W: \$2.15, Color: \$3.40  
Holland—windmills, dikes, and wooden shoes—is the setting for many of our best-loved children's stories. Here students get a vivid background for reading—both fiction and nonfiction—about Holland. They visit Broek, the setting for the story of Hans Brinker—see Volendam, a typical fishing village in the Zuider Zee—explore the old city of Leiden at tulip time—and see many other places of literary interest in this thoroughly delightful film journey.

### STORY ACTING IS FUN (C)

i 9 minutes B&W: \$2.15, Color: \$3.40  
To increase understanding of stories and to develop language and social skills, the audience is shown how to act out everyday experiences, poems, and stories. A group acts out "The Village Blacksmith," the signing of the Declaration of Independence, and Tom Sawyer painting the fence.

### STORY OF A CITY (ANIB)

j-h-c-a 14 minutes Color: \$5.15  
Newcastle, New South Wales (Australia)—its steel mills, coal mines and people.

### STORY OF A CITY: NEW YORK (SM)

general 18 minutes B&W: \$4.15  
A comprehensive educational study of our largest city. Behind-the-scene workings of its great markets, its harbors, public utilities, and its transportation system. The city is pictured as the economic hub in America. The film is designed to integrate with courses in history, geography, economics, civics, and sociology at all educational levels.

### STORY OF A GIRL SCOUT TROUP (GSA)

a 14 minutes Color: \$5.05  
Shows the early teen-ager and how activities such as Girl Scouting provide healthy fun and help develop self-confidence, initiative, and ability to work with others. Girl Scouts put on a community entertainment, supper and folk dance for parents, teachers, and neighbors.

### STORY OF A SPARK PLUG, THE (USBM)

j-h-c 21 minutes B&W: \$2.15  
Describes the functions of the parts comprising the spark plug—shell, electrodes, gaskets, terminal, and insulator. Depicts mining of sillimanite from which insulators are made.

### STORY OF A STORM (C)

i-j 10 minutes B&W: \$2.25  
Shows what conditions cause a rain storm to develop; names the different kinds of clouds; and presents a general knowledge of pressure areas, fronts, meteorological instruments, etc.

### STORY OF ALFRED NOBEL (TFC)

general 11 minutes B&W: \$1.90  
Portrays Nobel's experiments which led to the invention of dynamite, and dramatizes the events which influenced him to establish the Nobel Prize awards for contributions to world peace. *Restricted to Classroom Use.*



**STORY OF AN IMMIGRANT (TFC)**

general 32 minutes B&W: \$6.75

An immigrant, coming to America as a young man with almost no money, gets an education and lifts himself to a position of influence and respect. A fine story of what hard work and belief in one's self and the American way can do. *Restricted to classroom use.*

**STORY OF ARC WELDING, THE (USBM)**

j-h-c 25 minutes Color: \$2.15

Illustrates applications of arc welding in many different industries. Explains with close-ups the process of arc welding, the electrical circuit, and types of welding joints.

**STORY OF BANANAS (PAU)**

i-j-h-a 10 minutes B&W: \$1.65

A story of tropical agriculture which shows testing of the soil to determine the best location for the plantation, clearing the jungle, digging drainage ditches, and laying out the planting area. Cultivation and rapid growth of the banana plant, preparations for harvesting 50,000 stems of bananas in a day, cutting and transporting bananas from plantation to seaport, inspection of fruit, methods of conveying it aboard a refrigerator ship, arrival of fruit in the United States, further inspection, and distribution to consumer are also shown.

**STORY OF CHINESE ART (COFI)**

j-h-c-a 20 minutes Color: \$6.35

Surveys Chinese art from the unknown beginning to modern times. Shows the influence of Central Asia, India and Europe on Chinese culture, as well as the influence of China on her Asiatic neighbors, the Near East and the West.

**STORY OF CHRISTOPHER COLUMBUS (EB)**

i-j 15 minutes B&W: \$4.15

Brings to life the story of America's discovery and of the man whose conviction, courage, and faith brought it about. Clearly dramatizes highlights in the life of Columbus, including his boyhood dreams of travel and adventure, his tireless search for aid in organizing an expedition, his long and hazardous voyage westward, and finally his landing in San Salvador in 1492.

**STORY OF CITRUS FRUITS, THE (C)**

p-i 10 minutes Color: \$3.40

Visiting his uncle's citrus grove, Bill learns about the cultivation and processing of citrus fruits. We see how seedlings are grown in nurseries, how trees are cared for in the groves, how the fruits are harvested, and how they are processed, canned, and frozen at packing plants and canneries for shipment to all parts of the country.

**STORY OF COAL, THE (KB)**

i-j-h 10 minutes B&W: \$1.90

Coal is one of our greatest natural resources. Its discovery only 150 years ago in America was the beginning of a new industry. How coal is formed, the mining processes, regions where it is found, and its uses in the business world are shown.

**STORY OF COMMUNICATION, THE (EB)**

i-j-h 14 minutes B&W: \$3.65

The story of transmission of messages and man's achievements in improving his means of communication. It brings out the fact that until electrical energy was harnessed, the world's means of communication were linked with its means of transportation.

**STORY OF COPPER, THE (USBM)**

j-h-c-a 33 minutes Color: \$2.15

Describes the discovery of copper, how it is mined and processed, and how it is used in the present-day economy. Portrays the particular techniques in underground and open-pit mining of copper. Depicts smelting and refining operations. Illustrates the varied uses of copper and emphasizes its importance to modern industry.

**STORY OF CULTURE (KB)**

i-j-h 33 minutes B&W: \$7.35

Follows man's search for truth and beauty from the days when the legends of a race were preserved in song and dance, down to the present days of mass production with the moving picture as the outstanding expression of its culture.

**STORY OF D.D.T. (BIS)**

j-h-c-a 24 minutes B&W: \$4.15

Shows the development of this insecticide from its discovery in 1870 to large scale production in World War II.

**STORY OF DAVID AND GOLIATH (SF)**

p-i 14 minutes B&W: \$2.65

An excellent presentation of the dauntless shepherd lad who went forth to meet the challenge of the great Phillistine giant. Marionettes bring life to the Biblical characters as this great battle is recreated.

**STORY OF DR. CARVER, THE (TFC)**

i-j-h 9 minutes B&W: \$1.90

This is the life story of George Washington Carver, a Negro slave-boy who received an education and became a scientist. Shows his agricultural experiments in the South. *Restricted to Classroom Use.*

**STORY OF DR. JENNER (TFC)**

j-h-c-a 11 minutes B&W: \$1.90

Dramatizes the story of Dr. Jenner, an English country physician. Describes how he tested and proved his theory of immunization through vaccination in defiance of vigorous opposition, and how he finally brought the dread plague of smallpox under control. *Restricted to Classroom Use.*

**STORY OF ELECTRICITY (KB)**

j-h 11 minutes B&W: \$2.15

Deals with the early discovery of the loadstone and the properties of magnetism. Depicts a few of the many events which led up to the use of magnetism in the production of electricity. Shows how the discoveries of Morse, Edison and others have contributed to our modern world.

**STORY OF GASOLINE (USBM)**

j-h-c 30 minutes Color: \$2.15

Traces the story of gasoline from crude oil to the finished product, and explains in simple terms the complex structural patterns of petroleum molecules making up gasoline. Through animation, the various hydrocarbon molecules come to life and their performances in gasoline are explained separately. The refining process is shown in detail with all products pictured in different colors for easy identification.

**STORY OF HEAT (UW)**

p-i 14 minutes Color: \$4.70

The film provides a first-hand introduction to the basic sources and properties of heat. On a camping trip, a fire bow is used illustrating how friction can produce heat. We see how man has learned to harness heat to supply energy. Heat is graphically presented in terms of the motion of molecules—from basic scientific principles to the latest application of atomic power and the nuclear submarine.

**STORY OF LIGHT (GE)**

j-h-c-a 9 minutes Color: \$2.15

Details man's never ending battle to conquer darkness from his first attempts to harness fire to the development of Thomas A. Edison's incandescent lamp, heralding modern lighting. Scenes and locations from out of the past have been re-created with exacting craftsmanship. Except for a few spoken words at the beginning, the sound track carries no narration but only an original musical score played by the London Symphony Orchestra.

**STORY OF LOUIS PASTEUR (ANTHRAX) (TFC)**

j-h-c-a 18 minutes B&W: \$3.15

Deals with Pasteur's crusade to establish his microbe theory of disease, the opposition of the French Academy of Medicine, and his successful struggle to institute a serum treatment of anthrax. *Restricted to classroom use.*

**STORY OF LUBRICATING OIL (USBM)**

i-j-h-c 22 minutes Color: \$2.15

An animated film showing how lubricating oil is produced and refined to meet the diversified needs of modern mechanisms, from watches to automobiles and farm tractors.

**STORY OF MAGNETISM, THE (UW)**

i-j 14 minutes Color: \$4.70

Portrays the scientists' search for knowledge and, at the same time explains the kinds of magnets and magnetism as a source



of electricity. From the unrecorded discovery of the lodestone, through the discoveries and experiments of Gilbert, Oersted and Faraday, the story is traced to the latest theories of scientists today.

### STORY OF MAPLE SYRUP (UMI)

i-j-h 10 minutes Color: \$2.90  
Shows the gathering and processing, and other activities in the production of maple syrup during the spring, fall, and winter.

### STORY OF MENHADEN (USDI)

j-h-c-a 21 minutes Color: \$2.15  
Reviews the uses of fish in industry as an ingredient of poultry and animal feed, paint, linoleum, cosmetics, etc. Then shows how fish are caught with specially-designed boats and large nets. Explains the processing steps.

### STORY OF MENSTRUATION (KC)

j-h-c-a 11 minutes Color: \$.50  
Animated drawings and diagrams are used to explain the physiology of menstruation in women. Suggests methods of care and hygiene, and encourages a healthy attitude toward the process. Special booklets and physiological charts are available for use with the film.

### STORY OF MONEY (IFB)

h-c 15 minutes B&W: \$3.25  
Explains the development of the monetary system from the earliest days of simple barter to the complexities of modern banking. Shows the evolution of coins, checks and banking houses, and the part that money plays in the business world of today.

### STORY OF OIL, THE (YA)

i-j-h 17 minutes B&W: \$3.35  
Shows how a new oil field is located by means of the seismograph, how the oil well is drilled, how the oil is stored as it comes from the well, its transportation to the refinery, and what takes place in the refinery.

### STORY OF OUR FLAG, THE (KB)

i-j 9 minutes B&W: \$1.90  
Follows the evolution of the flag of the United States from the colonial flags to the Stars and Stripes of today. Shows by animation the development of the western territories into the present states and its significance for the flag.

### STORY OF OUR MONEY SYSTEM, THE (C)

i-j 10 minutes B&W: \$2.25  
The development of our unified money system is traced from the ancient practice of bartering to the convenient forms of exchange used today. The early use of animals and other mediums of exchange are illustrated, showing the development of metal coins, the English pound, the Pine Tree Shilling of New England and the adoption of the dollar unit in America.

### STORY OF OUR NUMBER SYSTEM (C)

i-j-h 11 minutes B&W: \$2.25  
Traces the historical development of numbers, including the counting systems of the Babylonian Empire, the Mayan civilization, and Rome; the development of calculating with the abacus; the need for a place holder which became the zero; and the probable development of our present symbols.

### STORY OF PALOMAR, THE (EB)

j-h-c-a 39 minutes B&W: \$7.95  
Presents a unique historic record of the conception and implementation of a great science project: the creation of the giant 200-inch Hale telescope. Depicts the planning and designing of the telescope, the many years of grinding and polishing its huge mirror, the momentous journey of the mirror up to Palomar Mountain, and finally the giant instrument in operation.

### STORY OF POTATOES, THE (EB)

i-j 12 minutes Color: \$3.90  
From this film we learn the story of one of the world's basic foods. The preparation of potatoes for planting, the planting of the eyes, the cultivation of the crop as it grows, and the harvesting on a modern potato farm in western United States are all depicted. The film also follows the crop through the processes necessary for marketing.

### STORY OF PREHISTORIC MAN (C)

i-j-h-c 11 minutes B&W: \$2.25, Color: \$3.40  
A description of the life of prehistoric man, his probable appearance, his habitat, and his achievements. These are reconstructed from authentic evidence—Prehistoric tools and weapons, cave paintings and stone carvings, and skeletal remains. The periods of the Old and New Stone Ages are indicated and the geographical areas in which prehistoric man lived are mapped. The achievements of prehistoric man are seen as laying the groundwork for early civilizations.

### STORY OF PRINTING (EB)

i-j-h-a 44 minutes B&W: \$7.90  
Traces the story of printing from ancient times to the present. Shows early methods of reproducing pictures by means of carved wood blocks and depicts gradual transition from printing of pictures to printing of letters. Includes sequences clearly illustrating Gutenberg's contributions to printing. Shows evolution of modern type faces and improvements in paper on which to print. Suggests the impact of the Industrial Revolution on printing and concludes with scenes of modern book and newspaper presses in operation.

### STORY OF RICE, THE (EB)

i-j 12 minutes Color: \$3.40  
Photographed in the American "rice bowl," this film portrays the activities on a modern rice plantation in Louisiana. It clearly illustrates up-to-date methods of planting, cultivating, irrigating, harvesting, and preparing rice for market.

### STORY OF SOIL (C)

j-h 11 minutes Color: \$3.60  
This film goes back to the nebulous beginnings of the earth millions of years ago to trace the story of soil. Full animation shows how man's interference with the vital partnership between the soil and vegetation has reduced many areas to desolation. The film emphasizes the need to restore Nature's harmony between climate, soil, plants, animals and man himself.

### STORY OF STEEL, THE (KB)

i-j-h 11 minutes B&W: \$1.90  
Starting from the mines where iron ore is found, we could trace the producing and refining processes of steel and follow its many uses in the manufacture of such things as watch springs, a skyscraper, and a battleship.

### STORY OF SUGAR, THE (EB)

i-j 11 minutes Color: \$3.40  
The story of cane sugar is clearly depicted through all stages from planting to preparation for market. The film describes in detail the major processes in sugar production—planting the cane, cultivating the field, harvesting, washing, crushing, and refining. Attention is also called to important by-products.

### STORY OF THE BEES (UW)

j-h-c-a 20 minutes B&W: \$4.15  
Through close-up photography, it presents the life cycle of the honey bee and community organization within the hive. Shows the division of labor and the role of the queen bee in detail.

### STORY OF THE BLOODSTREAM, PART I (MIS)

h-c-a 30 minutes Color: \$8.60  
Tells the fascinating story of the most efficient pump in the world, the human heart. Pictures inside a beating human heart are made possible by an instrument designed and constructed in the Moody Institute of Science Laboratory. The circulatory system, is revealed to have a hundred thousand miles of capillaries, many so small that the microscopic blood cells must squeeze through in single file.

### STORY OF THE BLOODSTREAM, PART II (MIS)

h-c-a 26 minutes Color: \$6.65  
Shows how life hangs by a very slender thread, the chemistry of the red blood cell. By radioactive tracer atoms the speed with which the blood carries food and oxygen to the trillions of body cells is dramatically illustrated. A search for the optimum shape of the red blood cell, aided by the famous IBM research computer, reveals that the cell's peculiar shape is just right for the job it has to do.

### STORY OF THE FLYING WING, THE (CAA)

j-h-c 21 minutes Color: \$2.15  
Describes the structural and operational characteristics of the Northrop Flying Wing. The emphasis throughout the film is



directed toward explaining how the Flying Wing achieves maximum efficiency of design, structure, maintenance, and operation.

### STORY OF THE MICROSCOPE, THE (KB)

j-h-c 11 minutes B&W: \$2.15  
The history of the development of the microscope. Its many contributions to man's knowledge of the "invisible world" is brought out.

### STORY OF THE MODERN STORAGE BATTERY, THE (USBM)

h 30 minutes Color: \$2.15  
Presents the basic information on operation of a modern storage battery. Shows the varied uses for storage batteries such as starting automobiles and supplying power for light and radio. Includes the manufacture of precision parts of a modern battery, which must meet certain precise mechanical, electrical, and chemical standards.

### STORY OF THE MOUNTAINS (KB)

j-h-c-a 33 minutes B&W: \$7.35  
Shows first the formation of volcanos and how they change the earth's surface. Then with two boys and an Indian guide we penetrate the mountains, study their animal life, and capture a mountain lion cub. The Swiss Alps are shown to reveal the kind of people and industries engendered by the mountains. The attempted conquest of Mt. Everest by the Bruce Expedition brings the program to a close.

### STORY OF THE TELESCOPE, THE (KB)

j-h-c 10 minutes B&W: \$2.15  
This film touches upon ancient astronomical knowledge, the invention of the telescope and development in building both reflectors and refractors. The wonders of the far away worlds are shown.

### STORY OF THE VIOLIN (HOP)

h-c-a 10 minutes B&W: \$2.15  
From the shaping of the back, the neck, the belly, and the ribs and through the gluing and into the final, careful, expert varnishing, we make a violin—and then have it played by a master. Included is a bit of the history of the instrument.

### STORY OF TIME, THE (COF)

h-c-a 10 minutes Color: \$3.65  
Shows the development of various systems and increasing intricate mechanisms for measuring time from the obelisk and sun dial to ultra-modern watches. The film portrays through models and miniature sets a course of events from the beginning of recorded time to the present day.

### STORY OF TRANSPORT AND TRAVEL (KB)

h-c-a 33 minutes B&W: \$7.35  
The development of transportation from the days when the camel and horse were the fastest modes of travel up to the present days of the zeppelin, airplane and Zephyr train. Traces the history of steam from the days of Robert Fulton's steamboat, and the development of the gasoline engine from the days of the horseless carriage to the present day.

### STORY OF WEIGHTS AND MEASURES (C)

i-j 10 minutes B&W: \$2.15  
The evolution of standard scales of measurement is traced by stressing the need for them and portraying the haphazard devices used before their development. The concepts behind the tables of weight and measurement become more understandable and meaningful to the pupil.

### STORY OF WHEAT (KB)

i-j-h 10 minutes B&W: \$1.90  
Deals with the history, growth, harvesting, and preparation of wheat for its most important use as bread.

### STORY TELLERS OF THE CANTERBURY TALES (USC)

h-c-a 18 minutes Color: \$5.05  
The original Ellesmere manuscript, miniature replica backgrounds, and contemporary figurines have been photographed. Music of Chaucer's time has been recorded and parts of "The General Prologue" and "The Canon's Ycoman's Prologue" from *Canterbury Tales* are narrated in Middle English.

### STORY TELLING: CAN YOU TELL IT IN ORDER (C)

p 9 minutes B&W: \$2.25, Color: \$3.40  
A teacher uses a puppet clown, the blackboard, and mounted pictures in teaching primary school children to arrange events chronologically when telling a story.

### STORY THAT COULDN'T BE PRINTED (TFC)

j-h 10 minutes B&W: \$1.90  
Presents the story of John Peter Zenger, pre-Revolutionary War printer and publisher, who was persecuted, arrested, and tried for publishing reports reflecting upon the honesty of His Majesty's Colonial representative. Zenger's acquittal was one of the first victories for freedom of the press and contributed to the inclusion of this doctrine in the Bill of Rights. *Restricted to classroom use.*

### STRAIGHT AND LEVEL FLIGHT AND EFFECT OF CONTROLS (CAA)

h-c-a 17 minutes B&W: \$2.15  
Flight instructor explains the effect of the controls and how they work. Through the use of animated characters thrust, drag, lift and gravity and the part each plays in the operation of an airplane are demonstrated. Attention to proper body posture and use of trim tabs are also stressed.

### STRAND BREAKS, A (WEB OF LIFE SERIES) (EB)

j-h-c-a 17 minutes Color: \$5.65  
Demonstrates the consequences of a state of unbalance in nature. Reveals how mankind has threatened the welfare of all life by introducing new elements into nature's balance that reduce the earth's carrying capacity. The film inevitably shows how man must learn to follow the laws of nature to guard the earth from depletion of its resources.

### STRANDS GROW, THE (WEB OF LIFE SERIES) (EB)

j-h-c-a 14 minutes Color: \$5.65  
Traces through prehistoric remains, the story of competition and constant change which affect all life from the first single-celled plant to the climax forest. Shows that all life is bound together in the vast web of nature's balance, in which everything depends upon plant-manufactured food. Shows how once-dominant forms of life—the trilobite, the dinosaur, the sabre-toothed tiger—became extinct when they were unable to adjust to the changes in environment.

### STRANGERS (SD)

p-i 10 minutes B&W: \$2.35  
The film shows school letting out and by following several of the children we learn through their examples what to do in various situations involving strangers. The film shows us not to take money, candy or treats from a stranger and not to go anywhere with a person we don't know. Many other lessons are presented for the children in a way that it is clear what to do and what not to do.

### STRANGERS FROM AFAR (McGH)

p-i-j 11 minutes Color: \$4.60  
Presents rare and exotic animals of foreign countries now living in the New York Zoological Gardens. Film also gives information on their native lands and food habits.

### STRANGLE (AIR POWER SERIES) (CBS)

h-c-a 28 minutes B&W: \$5.65  
A description of the battle that freed Italy in World War II, the impasse at the Abbey of Monte Cassino and how it was solved by a new use of air power.

### STRATEGIC AIR POWER (CAA)

i-j-h-c 22 minutes B&W: \$2.15  
Dramatic documentary presenting the mission of the Strategic Air Command and explaining the role played by the men and planes of SAC in carrying out that mission. Highlighted in the film is a B-36D training flight.

### STRAY LAMB (OF)

p-i 9 minutes B&W: \$1.70  
Elmer, the eagle, carries off Letitia, the lamb, and a St. Bernard named Barnaby gives chase.

### STREAMLINING (JUNIOR SCIENCE SERIES) (McGH)

j 11 minutes B&W: \$2.15  
Explains what happens when an object moves through air, what air resistance depends on, and why modern automobiles and airplanes are streamlined. Shows experiments that one can do easily to see that streamlined design works and to determine whether it is more important to streamline the front or the back of an object.

### STREET OF SHADOWS (McGH)

c-a 17 minutes B&W: \$3.85  
Pictures life on the Bowery as it is today. In this small patch of New York's lower East Side, virtue and vice, poverty and wealth, gayety and misery are thrown together. Here, too,



lives the American spirit of freedom and democracy, and out of the darkness come those who struggle for a better chance in life. Young citizens of tomorrow, with help from charitable and benevolent institutions, work and hope to bring sunshine to "the street of shadows."

### STREET SAFETY IS YOUR PROBLEM (YA)

i-j 9 minutes B&W: \$2.15  
Designed to promote safer practices when walking and playing in and near streets, driveways, and highways. Both rural and urban situations are shown.

### STREPTOMYCIN (UW)

j-h-c-a 10 minutes B&W: \$2.15  
Reviews the events and work that led to discovery of the drug streptomycin by Dr. Waxman at Rutgers University.

### STRIKE IN TOWN (NFBC)

c-a 39 minutes B&W: \$7.00  
What happens in a town when its biggest industry is threatened with a strike? This film presents such a situation, dramatically describing the disagreements within families, the reactions of public opinion, the preparations for the strike. Point-by-point descriptions of negotiations are included.

### STRING CHOIR, THE (EB)

i-j-h-c 11 minutes B&W: \$2.15  
Portrays a wide variety of the musical moods and effects possible from stringed instruments. Reveals the various techniques of performance on these instruments. A full orchestra of leading symphony players appears in these demonstrations.

### STRING TRIO (GA)

j-h-c 10 minutes B&W: \$2.25  
The violin, viola, and cello are examined fully and heard as components of the string trio. The function of each part of a string instrument, how sounds are produced, and differences among the three instruments are explained. Method of fingering, pizzicato, and playing with the bow are basic techniques demonstrated by the trio's skilled musicians.

### STUDENT GOVERNMENT AT WORK (C)

j-h 10 minutes B&W: \$2.15  
Shows how an active student council offers solutions to such problems as auto parking and lunchroom congestion by cooperating with the principal and the adviser, finding out the causes of the problem, submitting several proposals to remedy the situation, and respecting the limits of its own authority.

### STUDENT LIFE (REVISED) (UI)

h-c 28 minutes Color: N.C.  
This film attempts to answer some of the questions most frequently asked by students and parents interested in the University of Illinois. Topics presented include admission requirements and procedures, programs of study, housing, costs, and student activities.

### STUDENT NURSE (NFBC)

h-c-a 30 minutes B&W: \$5.15  
A picture of girls-in-training at a large city hospital. This film indicates some of the courses they must take before they are qualified to receive their caps—the insignia of success in the first stage of their careers. The practical part of nursing is illustrated as the student learns the art of changing the bed. Her duties include the personal care of the patient to maintain nutrition, relieve annoying symptoms, and insure physical and mental rest.

### STUTTERING (THE SEARCH) (CBS)

c-a 27 minutes B&W: \$5.65  
Consistent failure to find an organic basis for stuttering is presented with clinical evidence by the State University of Iowa. Explains through demonstrations the cause and cure of stuttering. Shows how parents can hinder with over-concern and how some severe cases can speak normally when attention is distracted.

### STYLE IN WRITING (THE QUILL SERIES) (NET)

h-c-a 29 minutes B&W: \$5.65  
Dr. Edwin Peterson presents the thesis that an individual's style of writing should be his true self. He points out that many people lose their naturalness when they begin to write. Quoting Lamb, Morley, Twain, Shakespeare, and others, he maintains that true elegance is always simple and honest. He urges beginning writers to avoid affectations and to be themselves.

### SUBTRACTION IS EASY (C)

p-i 10 minutes B&W: \$2.15  
Billy wonders whether he will have enough money to buy a baseball after purchasing paints and a bat. Students see mathematics in action, and from this basic film learn borrowing and other fundamentals of subtraction.

### SUBURBAN LIVING—SIX SOLUTIONS (IFB)

h-c-a 59 minutes B&W: \$10.65  
A thought-provoking analysis of city planning and suburban housing developments with beauty of site as the key to their purpose. Six examples are shown and discussed—in London, Stockholm, Rotterdam, Marseille and North America.

### SUCCESSION—FROM SAND DUNE TO FOREST (EB)

i-j-h-c 30 minutes Color: \$5.60  
This film provides a fascinating story of growth, change and development on a small scale. Succession is the process by which a given area changes slowly and continuously until it finally becomes a stable community. This film shows an example of ecological succession as it occurred at the southern edge of Lake Michigan. Drawings are used to illustrate the dramatic story of the changing community of plants and animals in periods of hundreds of thousands of years.

### SUDAMERICA, CONTINENTE DE GRAN PORVENIR, PART I AND II (IFB)

h-c-a 29 minutes Color: \$9.15  
Deals with historical and geographic forces which have molded South America—the divisive chain of the Andes; the arrival of the Conquistadores; the treatment of the native Indian; and the profound influence of the church. Provides a detailed look at the hacienda and strides taken to convert a hacienda-dominated society into a democratic one. Key factors in South America's progress are the growing prominence of a new middle class and recognition of the limitations of a one-crop economy. Recommended for advanced Spanish classes.

### SUEZ (IFF)

h-c-a 17 minutes Color: \$4.40  
Presents the history and operation of this vital waterway from its beginning to the present. Does not attempt to discuss the problems of ownership and management.

### SUGAR CANE (USDA)

j-h-c 21 minutes B&W: \$2.90  
Traces the rise and decline of the sugar cane industry in Louisiana, and the subsequent introduction and development of disease-resistant varieties and other improvements resulting from the cooperative research of Federal and State agencies, which have gradually rehabilitated the sugar industry. Shows in interesting detail how sugar cane is grown and harvested, and how sugar is manufactured.

### SUGAR U.S.A. (WBSP)

h-c-a 30 minutes Color: \$2.15  
Animated sequences explain the steps involved in refining the sugar beet for table use. Illustrates testing procedures for maintaining quality standards of the sugar.

### SUI (ASF)

h-c-a 30 minutes Color: \$2.15  
Tells how natural gas was piped across desert wastes from Sui to Karachi. Presents the significance of this pipeline to the economic and industrial growth of Pakistan.

### SULFUR AND HYDROGEN SULFIDE (CHEMISTRY LAB. SERIES) (C)

h-c 21 minutes B&W: \$4.15  
Crystals of rhombic and monoclinic sulfur are prepared and the formation of amorphous or rubbery sulfur is illustrated. Hydrogen sulfide is prepared from ferrous sulfide and its physical and chemical properties are discussed and demonstrated. The use of hydrogen sulfide as an analytical reagent is also discussed.

### SULFUR AND ITS COMPOUNDS (C)

j-h 11 minutes Color: \$3.15  
Shows the importance of sulphur in the manufacture of paper, paint, fabrics, rubber, glass and drugs. Illustrates the history of this element, some of its present-day practice in mining, and its physical and chemical properties and those of its compounds.



## **SULFUR DIOXIDE AND SULFUROUS ACID (CHEMISTRY LAB. SERIES) (C)**

**h-c** 24½ minutes **B&W: \$4.70**  
Sulfur dioxide is prepared by the combustion of sulfur and by the acidification of sodium hydrogen sulfate. Physical and chemical properties of sulfur dioxide and its aqueous solution, sulfurous acid, are demonstrated. A test for the sulfate ion is developed and this ion is shown to be the oxidation product of sulfurous acid.

## **SULFURIC ACID (CHEMISTRY LAB. SERIES) (C)**

**h-c** 16 minutes **B&W: \$3.15**  
The physical and chemical properties of concentrated sulfuric acid are discussed and demonstrated by means of numerous reactions. Proper and improper ways of diluting concentrated sulfuric acid are shown and discussed. Copper is treated with dilute and with concentrated sulfuric acid and the results are compared and contrasted. The reactions of hot, concentrated sulfuric acid with sugar and with cloth are demonstrated.

## **SULMET SULFAMETHAZINE IN THE TREATMENT OF LIVESTOCK DISEASE (LED)**

**h-c-a** 22 minutes **Color: \$2.15**  
Special attention is given to the major infectious diseases of horses, swine, sheep, beef cattle, and dairy cattle. The wonder-working sulfa drug, Sulmet Sulfamethazine, designed especially for veterinary use is employed and the results of treatment are shown.

## **SUMMER IS AN ADVENTURE (C)**

**p-i** 10 minutes **Color: \$3.40**  
What a wonderful season summer is. For Fred and Judy, it's a time for being outdoors—for fun at the beach, catching fireflies, and picnicking. It's a time for seeing colorful flowers, plants, birds, and insects; for walking in the woods; and for enjoying long, warm, and bright days.

## **SUMMER ON THE FARM (EB)**

**p-i** 10 minutes **Color: \$3.40**  
Joan and Jerry Johnson watch the growth of plants and animals during the summer. As they work and play on the farm, they have opportunities to see live, growing things that interest them.

## **SUN, THE (ISO)**

**j-h-c-a** 11 minutes **B&W: \$2.25**  
A study of the sun and sunspot groups. Astronomical photography by United States observatories is used to show a total eclipse of the sun and hydrogen explosions on the rim of the sun.

## **SUN AND HOW IT AFFECTS US, THE (C)**

**i-j** 10 minutes **Color: \$3.40**  
A comprehensive study of the sun is presented, including the sun's size, the distance from the earth, physical nature, and its effect on life, weather and tides on earth. A basic understanding of the probable origin and effects of the corona, prominences, flares, and sun-spots is provided through telescopic motion pictures.

## **SUN, SEA AND SAILS (UW)**

**j-h-c-a** 7 minutes **B&W: \$1.70**  
Through beautiful marine photography shows yachts racing on the bay and deep sea.

## **SUN VALLEY SKI CHASE (OF)**

**j-h-c-a** 7 minutes **B&W: \$1.70**  
One skier is elected hare, and the others are the hounds, and the chase is on dangerous ski trails. Dangerous jumps, sharp turns, swift slaloms, and other dazzling techniques are demonstrated in this film taken in one of the world's most famous skiing areas.

## **SUNFISH (EB)**

**i-j-h** 9 minutes **B&W: \$2.15**  
Presents the life of the sunfish from the preparation of the nest, the laying and fertilizing of the eggs, the hatching of the eggs, and the development of the fish to maturity.

## **SUN'S FAMILY, THE (YA)**

**i-j** 11 minutes **B&W: \$2.15**  
Explains what the solar system is: that the sun is really one of the smaller stars, and that the nine planets revolving around it constitute its "family," that the earth is one of those planets, and that each planet travels in a fixed orbit around the sun.

## **SUPAI INDIANS (C)**

**p-i-j** 7 minutes **Color: \$3.15**  
In the depths of the Grand Canyon of the Colorado live the last remnants of a great Indian tribe, the Supai, who now number only 175. The breath-taking beauty of their natural surroundings is the backdrop for this study of their customs, industries and habits.

## **SUPERFORT (AIR POWER SERIES) (CBS)**

**h-c-a** 28 minutes **B&W: \$5.65**  
A graphic record of the costly invasion of Iwo Jima by the U.S. Marines and the advent of the B-29 strategic bomber as a decisive weapon in the war in the Pacific.

## **SUPERVISING WOMEN WORKERS (USOE)**

**c-a** 11 minutes **B&W: \$1.65**  
A line supervisor discusses with a foreman his problem in supervising the women in his department. The fact is brought out that the same rules apply in supervising both men and women. The fact that women haven't the same background of industrial experience and very often have more home responsibilities than men must be taken into account by the supervisor.

## **SUPERVISING WORKERS ON THE JOB (USOE)**

**c-a** 9 minutes **B&W: \$1.65**  
Various kinds of poor supervision practices are shown. By dramatized incidents, the poor results of these methods are made apparent and the better ways indicated.

## **SUPERVISION: DEVELOPING COOPERATION (CAA)**

**h-c-a** 14 minutes **B&W: \$2.15**  
Discusses the right and wrong ways of supervision. Emphasizes cooperation among workers.

## **SUPERVISOR AS A LEADER—PART I (UW)**

**c-a** 14 minutes **B&W: \$2.15**  
Several workmen are asked what they consider to be the qualifications of a good supervisor. To them, the four most important are: (1) Always keep promises; (2) never take credit for someone else's work, (3) don't pass the buck, and (4) don't play favorites.

## **SUPERVISOR AS A LEADER—PART II (UW)**

**c-a** 13 minutes **B&W: \$2.15**  
Four supervisors discuss the qualities of leadership with dramatized incidents to make clear what they mean. One man lets his job go to his head while another goes to pieces under pressure and can't control himself. In other incidents it is pointed out that the good supervisor is not afraid to praise his men for work well done and that he is loyal to them.

## **SUPREME COURT (C)**

**h-c** 10 minutes **B&W: \$2.15**  
We follow a case from inception, through the lower courts, to final hearing before the Supreme Court. Shows the Supreme Court as the guardian of Constitutional rights; teaches its function, powers, and jurisdiction.

## **SUPREME COURT, THE (EB)**

**j-h-c-a** 17 minutes **B&W: \$4.15**  
Discusses the history and working of the Supreme Court as one of the three branches of the federal government. Principally under the guidance of John Marshall, the court established itself as an authority free from interference from Congress and the President.

## **SUPREME COURT, THE (MOT)**

**h-c-a** 9 minutes **B&W: \$1.90**  
How the United States Supreme Court works, how a case gets to and through the Court, and the extent of the Court's authority are given major emphasis. The role of the Court in preserving our political institutions and its effect upon our national life is examined.

## **SUR LE PONT D'AVIGNON (IFB)**

**j-h-c-a** 6 minutes **Color: \$2.60**  
Beautifully maneuvered puppets in medieval costume dance to the tune of this old and well-known repetitive folk song. Recommended for beginning, intermediate, and advanced students. (French language)



**SURFACE AREAS OF SOLIDS (PARTS I AND II) (DF)**

j-h 30 minutes B&W: \$6.15  
Applies mathematics principles to space perception. Art, animation, and model demonstrations help develop formulas for finding the volumes and areas of solids.

**SURFACE OF THE EARTH (AVED)**

i-j-h-c 10 minutes Color: \$3.40  
Explains how stalagmites, stalactites, mountains, rocks, lakes, and valleys were formed.

**SURFACE TENSION (JUNIOR SCIENCE SERIES) (McGH)**

j 11 minutes B&W: \$2.15  
Shows how to make a needle float on water, how to make a full glass of water hold more, and how to pour water along a string without spilling a drop. Explains how soap cleans and why a soap bubble is always round in shape. Demonstrates a "mystery" boat that works because of surface tension.

**SURPRISE FOR JEAN, A (EB)**

p 6 minutes Color: \$2.15  
It is Jean's sixth birthday, and mother has planned a big surprise. Jean and Frank are sent on an errand. While they are gone, Jean's little friends come to her house with birthday presents. Quickly they hide themselves. When Jean and Frank return, the guests rush out and shout "Happy Birthday!" The presents are opened and the girls enjoy refreshments around a festive table.

**SURRENDER OF CORNWALLIS AT YORKTOWN, THE (YOU ARE THERE) (CBS)**

j-h-c-a 27 minutes B&W: \$5.65  
The dramatic climax to the War for Independence came on October 17, 1781, when General Cornwallis took the first steps to secure a peaceful surrender of his British troops.

**SURRENDER OF CORREGIDOR, THE (YOU ARE THERE) (CBS)**

j-h-c-a 27 minutes B&W: \$5.65  
The final hours in the struggle for this small Pacific Island are portrayed in memorable battle scenes. A hopelessly outnumbered American force hold out to the last to defend the rights and freedom they were fighting for. Many men died and many others taken prisoner, but their sacrifice will long be remembered.

**SURVIVAL UNDER ATOMIC ATTACK (UW)**

h-c-a 7 minutes B&W: \$1.65  
Explains the dangers of the atomic bomb and the effects of radiation, and what the individual should do to protect himself if caught in the open or in his home.

**SUSAN B. ANTHONY (EB)**

j-h 20 minutes B&W: \$4.15  
Tells the story of Susan B. Anthony's work as she pioneered the movement for women's suffrage. Highlights her activities in the women's temperance movement, in obtaining property rights for women, and in campaigning for the vote for women.

**SUSAN B. ANTHONY IS TRIED FOR VOTING (YOU ARE THERE) (CBS)**

j-h-c-a 27 minutes B&W: \$5.65  
An important moment in the fight for political and social equality for American women is seen in the second day of the trial of Susan B. Anthony, being prosecuted for voting.

**SWAN, THE (BFS)**

j-h-c 5 minutes B&W: \$1.65  
A beautiful number from Saint-Saens "Carnival of the Animals"—depicting the title piece.

**SWAN DIVE AND FRONT JACK-KNIFE (UW)**

j-h-c 11 minutes Color: \$3.80  
A diving film which teaches the steps to achieving perfect form on 1-meter board and in mid-air. Demonstrates abdominal muscle exercises for use in these dives.

**SWEDEN (THIS WORLD OF OURS SERIES) (IFI)**

i-j-h 9 minutes Color: \$2.70  
An interesting look into the life and physical environment of the people of Sweden.

**SWEDEN LOOKS AHEAD (MOT)**

j-h-c-a 17 minutes B&W: \$3.75  
Since Sweden's people have been left in peace for over a hundred years, they have developed a way of life admired the world over. She has been able to eliminate extremes of poverty and riches, and all benefit from her famed middle way. Controlled lumbering and reforestation, arable lands held by working farmers, an even distribution system featuring all types of cooperatives, and strong, progressive labor unions are only some of the aspects of her economic development. Sweden looks ahead with high hopes that her way of life will be preserved.

**SWEDISH FAMILY STORY (BFS)**

j-h 15 minutes Color: \$4.65  
Detailed family life in Stockholm. Also scenes of Sweden's industry, mining, agriculture, education, social service, handicraft activity, and traditional festivals.

**SWIMMING AND DIVING ACES (UW)**

general 11 minutes B&W: \$2.15  
Value of early training, need of stamina, and vital role of timing in diving are illustrated. Champions exhibit one and one-half forward somersault; one and one-half gainor; front jack with full twist; and back jack analyzed by slow-motion camera. Demonstration of component parts of skillful diving: balance, take-off, position of arms, motion in the air, and body position when entering water.

**SWIMMING—CRAWL STROKE (UW)**

h-c-a 8 minutes B&W: \$1.65  
Illustrates the basic principles of the stroke—the arm movement, the kick, and breathing. Includes slow motion shots under water.

**SWIMMING FOR BEGINNERS (OF)**

i-j-h 9 minutes B&W: \$1.65  
Instructing a 10-year-old child in the basic fundamentals of swimming, from the conquest of fear to breathing, arm strokes, and co-ordinated deep water swimming.

**SWINE INSURANCE (IAA)**

c-a 22 minutes B&W: \$2.15  
Year in and year out the source of a large percentage of income for Illinois farmers is from pork production. The greatest factor in the raising of hogs is the health of the herd. Farmers must take great precautions to protect their swine against diseases, especially hog cholera. The Illinois Farm Bureau Serum Association, affiliated with the Illinois Agriculture Association, aids farmers in diagnosing, controlling, and preventing hog diseases. Vaccination is very necessary. This film depicts in detail how the serum is produced and distributed to the farmers.

**SWITZERLAND (WDP)**

i-j-h-c-a 33 minutes Color: \$9.90  
Acquaints us with this country by taking us to and discussing with us the democracy of Switzerland, its cities, towns, and villages, the seasons, activities and work of the people. We spend some time at one of the Swiss festivals, the "Fastnacht," at Basel.

**SWITZERLAND (THIS WORLD OF OURS SERIES) (IFI)**

i-j-h 9 minutes Color: \$2.70  
A trip to Berne and Zermach pictures the watchmaking, the sports, the parade of independence, the resorts, and mountain climbing typical of Switzerland.

**SWITZERLAND TODAY (McGH)**

j-h-c-a 18 minutes B&W: \$3.85  
A report on one of the world's oldest democracies which lived in peace for almost a century while surrounded by war, revolution, famine and aggression.

**SWORDSMANSHIP (AFLA)**

c-a 17 minutes B&W: \$3.85  
The challenge of a man's honor was stated, and the duel followed. A man's honor was saved or destroyed by his skill with



a gun or sword. Today, the sport of swordsmanship is considered as one of the most exacting on the mind as well as the body. The blood and loss of life has been eliminated, but the thrills and excitement still remain. Demonstrated by members of the U. S. Olympic fencing team, this sport is brought to life with all the movements and basic fundamentals shown in excellent detail.

## SYMBOLS IN ALGEBRA (C)

j-h 11 minutes B&W: \$2.35

Using animation and other special film techniques, this film shows how algebra employs symbols which permit us to arrive at general rules for working with numbers. In addition, the film illustrates how a symbol may also be used to represent an unknown quantity in an equation, as an aid in solving specific problems.

## SYMPHONY ORCHESTRA (2nd EDITION) (EB)

i-j-h-c 17 minutes B&W: \$2.90

Explains the contributions of composer, conductor, and players in achieving a successful symphonic performance. Reviews functions and characteristic qualities of each orchestral choir, and illustrates one of the seating arrangements of modern symphony orchestras. Howard Barlow conducts an orchestra drawn mainly from personnel of the New York Philharmonic Orchestra.

## SYNCOPATED SIOUX (UW)

p-i 7 minutes B&W: \$1.70

Redskins paint the reservation red.

## SYNTHESIS OF A COMPOUND (CHEMISTRY LAB. SERIES) (C)

h-c 13½ minutes B&W: \$2.70

The simplest formula of cuprous sulfide,  $\text{Cu}_2\text{S}$ , is derived by experimentally determining the weight ratio in which copper and sulphur combine, then performing the conventional calculations.

## SYNTHETIC FIBERS (EB)

i-j 17 minutes B&W: \$3.65

Reveals how modern science and technology have made possible the development of new synthetic fibers for making textiles—specifically rayon and nylon. Portrays the different stages of processing in making these fibers, ways in which they are useful to man, and characteristics of the textiles made from them.

## SYNTHETIC RUBBER (USBM)

j-h-c 21 minutes B&W: \$2.15

Shows laboratory research for the synthetic product to replace natural rubber. A trip through a synthetic rubber plant reveals the various processes involved in the transition from chemicals to synthetic rubber. Ends with future objectives of the scientist in perfecting synthetic rubber.

## T-MEN OF THE TREASURY DEPARTMENT (McGH)

j-h-c-a 17 minutes B&W: \$3.40

Dramatizes the duties of the T-men of the Treasury Department. Tells the story of each of the six law enforcement agencies and shows its operatives in action. In a sequence reenacting the capture of a gang of moonshiners, the film depicts the close cooperation that prevails between the various enforcement units.

## T. V. A. (RKO)

general 17 minutes B&W: \$3.50

The vivid story of man's victory over one of the great forces of nature, turning its might of power from a fury of flood to beneficent electricity.

## TABBY'S KITTENS (AB)

p 10 minutes Color: \$3.40

Tabby surprises the children with a family of newborn kittens. Tabby cares for the kittens, and the children assume their share of responsibilities for the new family. As the kittens grow they have many experiences as they explore the house.

## TABLE MANNERS (ASF)

i-j-h 11 minutes B&W: \$2.15

Demonstrates the basic rules of table etiquette in a family dinner sequence from the first course to dessert, and shows

how the rules of etiquette for the family table also hold true for any occasion. Emphasizes that good table manners are natural, easy and pleasant habits.

## TABLE TENNIS (TFC)

j-h-c 9 minutes B&W: \$1.65

Table tennis, with experts playing in singles and doubles, is shown here. After an explanation of the grip, the players demonstrate push shots, service, spin shot and return, forehand and backhand shots, and footwork. *Restricted to classroom use.*

## TACKLING IN FOOTBALL (EB)

j-h 9 minutes B&W: \$2.15

Utilizes slow-motion and stop-motion photography to analyze basic techniques in the shoulder tackle and cross-body tackle, together with the several variations of each type. Stresses the importance of correct starting position, speed, drive, sure grip, timing, and body control. Calls attention to safety measures designed to insure against injuries in tackling.

## TAILOR-MADE SHEEP (UW)

h-c-a 11 minutes B&W: \$1.50

Depicts the work done by the United States Department of Agriculture in breeding and developing new kinds of sheep that are particularly adapted to the American range and market.

## TAKE A LETTER PLEASE (UW)

h-c-a 22 minutes B&W: \$2.90

Burlesques the common faults of people who dictate letters, such as: the scatterbrain who isn't prepared, the speed demon, dreamer, mumbler, and Simon Legree. Shows the proper method of dictating.

## TAKE-OFFS AND LANDINGS: PART I—THE TAKE-OFF (CAA)

c 25 minutes B&W: \$2.15

Covers ground check before take-off—engine-starting procedure—taxiing—take-off—climbing—level flight—using the Air Force BT-13A plane.

## TAKE-OFFS AND LANDINGS—PART II—THE LANDING (CAA)

c 28 minutes B&W: \$2.15

A lecture on what a landing is; what a traffic pattern is; five factors to consider in making a landing. Demonstrates proper procedure for landing a BT-13, power off; analyzes common errors in landing; explains power landings and demonstrates proper landing procedure with engine throttled back.

## TAKING CARE OF OUR GARDEN (EB)

p-i 10 minutes Color: \$3.40

In this film we see the kinds of damage done to vegetable plants by various insect pests and how these pests can be controlled. We also learn about certain helpful insects and about how the soil of the garden can be kept in good condition for the growing plants.

## TALE IN A TEACUP (TBFL)

general 20 minutes B&W: \$2.15

The story of tea from its early Oriental beginning to its place in the modern world. World use of tea has developed into a great business. The film shows modern techniques of tea handling, processing, and grading.

## TALE OF THE FIORDS, A (EB)

i-j-h-a 14 minutes B&W: \$2.15

A young Scandinavian girl takes the day off from her daily household activities to explore the beauty of her mountain environment. Provides an unusual insight into the farm life of the Norwegians.

## TALE OF THE GROUND HOG'S SHADOW (C)

p-i 11 minutes Color: \$3.40

This film relates the adventures of a raccoon as he is searching for news of the coming spring. Other animals—the beaver, badger, porcupine, and skunk—can't help him, but upon encountering the ground hog he discovers the first signs of spring.

## TALE OF TWO CITIES (TFC)

j-h-c 44 minutes B&W: \$8.00

This is a condensed school version of the feature picture produced by Metro-Goldwyn-Mayer in 1935 based on the Charles Dickens novel. Ronald Colman plays the part of Sidney Carton.



This version not only is the complete story presented in a way to stimulate the interest of students in English literature to a further study of this classic novel, but social study groups will find stimulating material in observing the causes of mass rebellion against the aristocracy of France during the revolutionary period. *Restricted to Classroom Use.*

#### TALE OF TWO CITIES: HIROSHIMA AND NAGASAKI (UW)

j-h-c-a 11 minutes Color: \$1.65  
What the atom bomb did to the only two cities on which it has thus far been dropped. Careful study of blast effects at varying distances from the center of the explosion. A monk gives an eye-witness account of the blast. A realistic documentary film which presents a problem we must all face.

#### TALE OF TWO HOUSES (DC)

h-c-a 20 minutes Color: \$2.15  
Moisture is one of the greatest enemies of houses; it causes wood to rot and paint to come off. This film explains and illustrates causes of moisture and shows how these causes can be corrected.

#### TALES OF HOFFMAN (UW)

j-h-c 9 minutes Color: \$1.50  
Magnificent music from highlights in Offenbach's only opera.

#### TALES OF THE VIENNA WOODS (SF)

h-c-a 9 minutes Color: \$1.50  
The famous waltz by Johann Strauss is brought to life by the Vienna Philharmonic Orchestra. Interpreted as choreography in well-executed ballet scenes by members of the Salzburg Festival.

#### TALIESIN EAST (AF)

c-a 10 minutes Color: \$3.40  
Shows the modern home of well known American architect, Frank Lloyd Wright, near Madison, Wisconsin.

#### TALIESIN WEST (AF)

h-c-a 9 minutes Color: \$3.40  
With his desert house as an example, Frank Lloyd Wright describes some of his ideas about the relationship between modern architecture and nature.

#### TALKING CAR, THE (AAA)

i-j 17 minutes Color: \$2.40  
Through animation, an automobile gives eleven-year-old Jack and Mary a "car's-eye view" of traffic safety rules for pedestrians. What they have learned in school is reinforced by actual scenes of good and bad safety habits.

#### TALKING VALENTINE, A (EB)

p-i 9 minutes Color: \$3.15  
Linda makes a valentine box to take to school. At school she finds a parakeet on the window ledge and the class names him Valentine. He is returned to Mrs. Jones, the good-natured traffic lady.

#### TALL SHIP ON DEEP WATERS (TOM)

i-j-h 17 minutes Color: \$5.15  
The story of a voyage under sail of a crew of school boys and girls in the schooner "Wander Bird." It covers the vicissitudes of a round trip from San Francisco to Hawaii. The young sailors are shown practicing their new knowledge of navigation, as animated maps and models show the route followed.

#### TALL TALES (BRF)

j-h 9 minutes Color: \$2.15  
Presents the following American folk songs: *Strawberry Roan*, *Grey Goose*, and *John Henry*. Features Burl Ives, Winston O'Keefe, Josh White, and Will Greer.

#### TAMBO (UI)

general 14 minutes Color: N.C.  
Mr. Tambo is never seen because he isn't a real person. The word "TAMBO" originates from the first letters of the meaning of International Week, "That All May Be One." Tambo introduces the viewer to his country's culture by listening to the songs and dances and showing the handicraft of the people. Filmed at the International Pageant and the International Fair, the viewer will experience the excitement and color of the program resulting from cooperative efforts of International and American students at the University of Illinois. May be kept 2 days only.

#### TANGLEWOOD (UW)

h-c-a 20 minutes B&W: \$2.65  
The story of the music festival at Tanglewood, in the Massachusetts Berkshire Hills. Musicians from throughout the world gather together in a casual atmosphere of music for enjoyment and play some of the world's finest music.

#### TAPE RECORDING FOR INSTRUCTION (IU)

c-a 14 minutes B&W: \$3.15  
Shows the basic techniques of making good tape recordings and suggests various methods of utilizing these recordings in instructional situations. Compares the results of recordings made with different microphones and different acoustical conditions. Illustrates editing techniques and demonstrates the principles of dual and single track recording. Shows setting up a recorder, threading the tape, and provides suggestions for simple maintenance of the machine.

#### TARGET FOR TONIGHT (BIS)

j-h-c-a 45 minutes B&W: \$5.15  
An account of an actual air raid by the Bomber Command of the Royal Air Force. Aerial photographs disclose the objective to be raided. After planning and preparation routines are shown, the camera stays with a Wellington bomber while its objective is reached, bombing is accomplished as scheduled, and the plane reports back to headquarters.

#### TARGET PLOESTI (AIR POWER SERIES) (CBS)

h-c-a 28 minutes B&W: \$5.65  
The grim story of the United States Air Force's surprise low-level bombing attack on the single richest target in Europe—the Rumanian oil refineries at Ploesti.

#### TARGET: TOOTH DECAY (UOK)

h-c-a 11 minutes Color: \$2.65  
Points out the value of modern dental care with emphasis on sodium fluoride treatment. The opening sequence shows a group of Cleveland County Grade School children at play and raises such questions as: Are children so healthy after all? Aren't bad teeth too high a price to pay? What can be done about tooth decay? It then proceeds to answer the questions, suggesting, among other things, concerted community-wide action.

#### TASK FORCE (OWI)

h-c 18 minutes B&W: \$2.15  
The fighting men of the Coast Guard are shown fulfilling their mission escorting a convoy and landing invaders. An exciting episode in the sinking of a submarine is revealed. Before reaching their destination they encounter enemy planes. With navy guns pounding the shores hour after hour, the Coast Guard landing barge crews are ready to do their job. As the beachhead position is consolidated, the last ship is unloaded—their mission has been completed.

#### TEACHER, THE (EB)

c-a 17 minutes B&W: \$3.15  
Tells the story of a teacher who is offered another job, but who decides to remain in her chosen profession. Emphasizes the important work of a teacher in instructing future citizens. Describes the training that teachers receive and suggests some of the satisfactions they get from their work.

#### TEACHER AS OBSERVER AND GUIDE, THE (TC)

c-a 20 minutes B&W: \$3.40  
Using actual classroom practice, the film directs attention to the importance of the teacher as an observer and guide of the pupil's growth. Shows teachers guiding pupils to better ways of solving their problems, providing needed assistance to slow learners, promoting the growth of character and citizenship, and observing and stimulating the development of artistic talent.

#### TEACHERS? (FR)

c-a 13 minutes Color: \$4.70  
"Teachers?" is a lively, humorous color film written, produced and acted by top professional talents and aimed at making one arguable point: The teacher is the primary audio-visual "aid" in the classroom.

#### TEACHER'S CRISIS (MOT)

c-a 17 minutes B&W: \$2.90  
Presents the reasons for the critical situation in teacher supply in 1947, including low salaries, lack of training, over-crowded conditions, and social restrictions.



**TEACHERS FOR TOMORROW (UWI)**

**h-c** 22 minutes **B&W: \$3.40**

A vocational guidance film on teaching. Shows how prospective teachers are trained at the University of Wisconsin. Pictures various aspects of the student teacher's work with pupils, supervising teachers, faculty members, and teaching materials. Shows the need for more teachers and the values of teaching as a career.

**TEACHING (VGF)**

**j-h-c-a** 9 minutes **B&W: \$2.15**

States the contribution of teachers to American democracy and presents the traits of a good teacher, the attractions in teaching, the educational requirements, and the various types of teaching jobs.

**TEACHING MARGINAL REMINDERS: SHORTHAND (McGH)**

**h-c-a** 11 minutes **B&W: \$2.15**

This film shows how marginal reminders are introduced to a shorthand class and how the students use them in preparing homework. It also explains the classroom use of marginal reminders in connection with reading back and dictation.

**TEACHING MATERIALS CENTER (VDE)**

**i-j-h** 9 minutes **B&W: \$2.15**

Shows the organization, variety of materials, and classroom significance of a county teaching materials center.

**TEAMWORK (SM)**

**j-h** 17 minutes **B&W: \$4.15**

An object lesson in cooperation within a social group. Illustrates six means, good and bad, of developing cooperation including leadership, democratic cooperation, compromise, bargaining, trickery, and exploitation. These illustrations are then related to a larger picture—how they work in national and international relations. Emphasizes the necessity for social teamwork at all levels in today's world.

**TECHNIQUE OF TENNIS (TFC)**

**j-h-c-a** 9 minutes **B&W: \$1.65**

Tennis instructor, Lloyd Budge, brother of Don Budge, demonstrates correct practices in such fundamentals as forehand and backhand grips, routine shots, and service. Explanation of footwork, timing, and an exhibition of net play complete the film. Slow motion photography is used for showing form and technique. *Restricted to classroom use.*

**TECHNIQUES OF FOIL FENCING (SILENT) (UC)**

**h-c-a** 15 minutes **B&W: \$1.65**

Analyzes fencing positions at various speeds with close-ups of footwork in advance, retreat, lunge and lump lunge; handwork in correct grip on French and Italian foil; straight thrust, disengage, one-two and one-two-three, double, coupe, coupe disengage and coupe-coupe; simple parry 4, 6, 7, 8 and half circle, counterparry 4 and 6, stop thrust in high and low line. Begins and ends with a demonstration bout by Helene Mayer, United States and world champion.

**TECHNIQUES OF GRAVIMETRIC ANALYSIS (UI)**

**c-a** 24 minutes **B&W: \$5.15**

Demonstrates proper procedures of gravimetric analysis, including accurate weighing, proper methods of obtaining precipitates, and great care in getting precipitates. Emphasizes the importance of accuracy in each step in order to proceed to subsequent steps successfully.

**TECHNIQUES OF ORGANIC CHEMISTRY, PART I (YA)**

**c-a** 11 minutes **Color: \$3.90**

Deals with the fractional distillation of a mixture of benzene and toluene, the determination of a melting point, and a Rast determination of molecular weight. Also shows the equipment used.

**TECHNIQUES OF ORGANIC CHEMISTRY, PART II (YA)**

**c-a** 20 minutes **Color: \$7.65**

Demonstrates the procedure for crystallization, methods of clarification, isolation of cholesterol from gall stones, collection of a precipitate, and super-saturation.

**TECHNIQUES OF ORGANIC CHEMISTRY, PART III (YA)**

**c-a** 11½ minutes **Color: \$3.90**

Shows the procedures for separation by extraction from ether with alkali, by countercurrent distribution and by elution chromatography.

**TECHNIQUES OF ORGANIC CHEMISTRY, PART IV (YA)**

**c-a** 18½ minutes **Color: \$7.65**

Demonstrates an experiment with Martius yellow, involving preparation of the yellow dye and of six derived compounds.

**TEDDY BEARS AT PLAY (UW)**

**p-i** 4 minutes **B&W: \$1.50**

Shows the Australian Koala bear at play—running around on the ground, wrestling with other Koala bears, climbing trees, etc.

**TEDDY, THE ROUGH RIDER (TFC)**

**j-h-c** 22 minutes **Color: \$4.65**

A biography of Theodore Roosevelt from 1898 to 1914 showing his activity as Assistant Secretary of the Navy; his organization of the Rough Riders and participation in the Spanish American War; his election as Governor of New York; his nomination and election to the Vice Presidency of the United States. *Restricted to classroom use.*

**TEEN-AGE FARM HAND (F)**

**p-i-j-h** 11 minutes **Color: \$2.65**

Shows the farm activities of a boy who takes care of the animals, milks cows, runs the farm machinery, etc. Contains much factual knowledge of farm work.

**TEEN NUMBERS (YA)**

**p** 9 minutes **B&W: \$2.15**

Develops the meaning of the place value of the teen numbers. Concepts developed in this film are basic to understanding the nature of our decimal number system.

**TEENS, THE (McGH)**

**c-a** 26 minutes **B&W: \$5.65**

Uses three teenagers in a representative family to point out the behavior characteristics and tendencies of normal youth in their teens. Stresses the interest and sympathy required of parents to help teenagers to attain maturity.

**TEETH, THE (EB)**

**i-j-h** 10 minutes **B&W: \$2.15**

Explains the development and structure of teeth and stresses the importance of proper care. Demonstrates the cause of decay and how it can be prevented by eating proper foods, brushing the teeth regularly and correctly, and consulting a dentist frequently. Reveals the growth cycle of teeth from embryonic stage through adulthood.

**TEETH ARE TO KEEP (EB)**

**p-i** 11 minutes **Color: \$3.40**

Fine cartoon technique demonstrates in an interesting and entertaining manner four ways in which teeth may be kept healthy. Brushing teeth after eating, eating the right kinds of foods, avoidance of too many sweets, and visiting the dentist twice a year are the four steps suggested. They are presented slowly and clearly enough that children can grasp them easily.

**TEETH: THEIR STRUCTURE AND CARE (C)**

**j-h** 11 minutes **B&W: \$2.15, Color: \$3.40**

Skillful animation shows the functions of various teeth, the structure of a tooth, and how decay spreads. Students are motivated to proper dental care as a means of insuring dental health.

**TEHUANTEPEC (UW)**

**general** 10 minutes **Color: \$2.40**

Tehuantepec, with its thatched roofs, picturesque countryside, and faithfully preserved traditions is one of Mexico's most attractive villages. The women of Tehuantepec dominate the scene in the market place; for it is understood that the men are to work in the fields while the women engage in trade. The clothing worn is exceptionally beautiful and bright colors are inevitable. A gay wedding party is shown and a fruit festival is vividly described.



**TELEGRAPH PRINTER: GENERAL PRINCIPLES (CAA)**

c-a 7 minutes B&amp;W: \$2.15

Shows how telegraph messages are transmitted throughout the United States. Through electrical impulses messages are transmitted to a circuit. The transmitter and the receiver are combined into one unit. The telegraph printer operates on the keyboard principle. There are two varieties in common use—the type printer and the page printer. The mechanical operation is through an electric motor. Shows how booster stations are used.

**TELEGRAPH PRINTER: MECHANISMS (CAA)**

c-a 11 minutes B&amp;W: \$2.15

Shows what mechanisms are important in transmitting an impulse—the relay armature, electrical impulse, selector magnet, etc. Then we are shown how a letter of the alphabet is transmitted. Explains why men who operate the printer should know the mechanics of its operation.

**TELEPHONE AND TELEGRAPH (VGF)**

j-h 11 minutes B&amp;W: \$2.15

Reviews the development of the telephone and telegraph and enumerates the ways they serve modern society. Depicts various jobs connected with the fields of communication, such as lineman, maintenance man, teleprinter or multiplex operator, and experimenter. Discusses the requirements necessary for success in communication jobs.

**TELEPHONE AND THE FARMER (USDA)**

c-a 33 minutes Color: \$2.15

Hampered and isolated by an inadequate telephone service, the people of the community decide to form a cooperative and seek financial assistance provided through the telephone loan program of the Rural Electrification Administration. How they succeed in obtaining the loan and establishing a modern telephone service is the heart of the story.

**TELEVISION: HOW IT WORKS (C)**

j-h-c-a 11 minutes Color: \$3.40

The fundamentals of television broadcasting and reception are shown from transmission by electron beams in a camera to the image on a television screen. Includes operation of a cathode ray tube, an image orthicon tube, an electron gun, deflecting coils, and a sync-generator.

**TELEVISION IN YOUR COMMUNITY (C)**

i-j 11 minutes Color: \$3.40

Shows the internal workings of the television station and the co-ordinated efforts of both local and network stations to provide service to the community.

**TELEVISION IS WHAT YOU MAKE IT (CH)**

j-h-c-a 30 minutes B&amp;W: \$3.65

Depicts the problems of a television producer who tries to live up to his responsibilities of presenting high quality shows. Also outlines the vocational advantages in the field of television today.

**TELEVISION TODAY (IMO)**

j-h-c-a 25 minutes B&amp;W: \$3.65

Discusses and illustrates television and its place in the home. Shows that television is for every income group and supplies information and entertainment for all age levels and all interests. This era of communication has reached a new peak through television and the reason is amply illustrated.

**TELL-TALE HEART, THE (TFC)**

h-c-a 20 minutes B&amp;W: \$3.40

This film presents a dramatization of Edgar Allan Poe's "The Tell-Tale Heart," which deals with a weaver's apprentice who murders his cruel master. He is driven to confession by a guilty conscience and the imaginary, haunting sound of the murdered man's heartbeat. *Restricted to Classroom Use.*

**TELLING TIME BY THE CLOCK (BFS)**

p-i 11 minutes B&amp;W: \$2.15

Shows the basic principles of telling time and explains the relationship between days and hours, minutes and seconds, etc.

**10,000 FEET DEEP (SOC)**

j-h-c 20 minutes B&amp;W: \$2.15

Shows how geologists chart a region most likely to bear oil country will give authentic information on present-day methods and illustrates in particular how modern seismic exploration is carried on. This film taken in the beautiful Louisiana bayou of drilling.

**TENNIS: COURT FAVORITES (RKO)**

h-c-a 7 minutes B&amp;W: \$1.65

High points of the game featuring former tennis champions Bill Tilden, Vincent Richards, Karel Kozeluh, George Lott, and Bruce Barnes.

**TENNIS FOR BEGINNERS (OF)**

i-j-h 9 minutes B&amp;W: \$1.65

Former tennis champion Bill Tilden narrates and appears in the film to teach a boy how to play tennis. The boy is shown attempting each step, and the film ends with the beginner and the expert playing a game.

**TENNIS TACTICS (TFC)**

j-h-c 10 minutes B&amp;W: \$1.05

Here Fred Perry shows us the technique in practicing for sustained relays and for short placement. This is followed by illustrations of teaching technique for service, pivot shots, a spinning ball, and a service stance. Slow motion photography is used extensively. *Restricted to classroom use.*

**TENNIS TECHNIQUE (ROG)**

j-h-c-a 9 minutes Color: \$3.15

Illustrates forehand and backhand techniques, service, and volley. Explains and demonstrates the techniques of group teaching. Includes sequences of Pauline Betz in action.

**TERRIBLE TRUTH (SD)**

j-h-c-a 10 minutes B&amp;W: \$2.15

Documents the story of one teen-age girl, typical of youthful addicts. Starting with an occasional marijuana cigarette, she is induced to experiment with a "fix" of heroin. In a few days she is a hopeless "hype," ends up with a criminal record and a blighted future. Judge William T. McKesson of the Los Angeles Juvenile Court appears in the film to present the arguments against having any contact with drugs in any form.

**TERRIBLE TWOS AND THE TRUSTING THREES, THE (McGH)**

c-a 22 minutes B&amp;W: \$4.15

A study of developments in the behaviors and abilities of children at two and three years of age. The film shows a group of active children in play grounds, nursery school, and home; first as two-year olds and later as threes. In play, we see that they learn the control of their bodies, develop interests in different materials, and find out how to share with others. At home, an average mother is seen handling such problems as destructiveness, tantrums, and unreasonable fears.

**TERRITORIAL EXPANSION OF THE UNITED STATES FROM 1783 TO 1853 (IG)**

i-j-h-c 22 minutes B&amp;W: \$3.65

Depicts the growth of the United States from colonial infancy to full continental stature. Animated maps are used extensively, and boundary disputes are clearly explained. The subject is portrayed in a manner to accord with modern teaching methods.

**TERRITORIAL POSSESSIONS OF THE UNITED STATES (IG)**

i-j-h-c 20 minutes B&amp;W: \$3.65

Continuing the story of American expansion, the film covers in detail the acquisition of the insular possessions of the United States, and of Alaska and the Canal Zone. Animated maps are used to show the locations and sizes, and authentic scenes of the possessions are supplemented by original motion pictures of historical events and personalities.

**TESCHEN DISEASE (USDA)**

h-c-a 15 minutes B&amp;W: \$2.15

Teschen disease is a contagious virus disease of swine, attacking the brain and nervous system. The film shows characteristic symptoms of the disease from its earliest manifestations, through convulsions and final paralysis. Although no cases have been reported in the United States, it is widespread over most of Europe and causes serious economic losses. In this age of heavy world travel, the introduction of Teschen disease to this country is a constant threat. It is important for those interested in protecting the health of our livestock to know as much about this enemy as possible and be prepared to combat it if necessary.



**TESTING INTELLIGENCE WITH STANFORD-BINET (IU)**

c 18 minutes B&W: \$3.65  
Shows the administering of various test items from the Stanford-Binet Intelligence Test to four children. The children vary greatly in their performances on the test items shown, thus allowing for excellent comparisons and contrasts. The meaning of mental age and the calculation of the intelligence quotient are explained.

**TEXAS (MOT)**

j-h-c-a 11 minutes B&W: \$1.90  
Impressive scenes of the Lone Star State that reveal its almost legendary wealth. Texans know that, as nations move toward self-sufficiency, Texas must balance its economy, look beyond its air and sea gateways to Latin America and the world, toward industrialization and diversification.

**TEXAS AND ITS NATURAL RESOURCES (USBM)**

j-h-c-a 29 minutes Color: \$2.15  
Travels through the cities of Ft. Worth, San Antonio, Dallas, Houston, El Paso. Shows the making of natural gas, the smelting of zinc, the production of carbon black and helium, the mining of sulphur and iron ore, the production of magnesium and bromine found in sea water.

**TEXAS TRAIL TREACHERY (UW)**

general 9 minutes B&W: \$2.15  
Bandits steal the Bar Z Ranch payroll and the cowhands ride with the mailcoach to protect it. The outlaws attempt a trap. A hot gun battle finally drives off the bandits and the mail goes through.

**TEXTURE (EB)**

p-i 5 minutes Color: \$2.15  
The exploration of surfaces—hard, rough, soft, and smooth—provides a tangible approach to understanding textural qualities in art. Visual examples in the film will give youngsters a new appreciation of the textural effects which can be achieved by clay, metals, paper, linoleum, and other art materials.

**THAILAND, LAND OF RICE (EB)**

i-j-h 15 minutes Color: \$4.50  
An overview of the geography and history of the country. Specifically deals with the life of a farm family, and how important rice is as a crop for food and export.

**THANKSGIVING PLAY, A (EB)**

p-i 6 minutes Color: \$2.15  
Peter takes his little sister Julie to see the Thanksgiving Day class play for which the class has made cutouts of pumpkins, turkeys, etc. Julie gets lost on the way, but she finds her way by a trail of corn candy.

**THAT MEN MAY FLY (CAA)**

j-h-c 22 minutes B&W: \$2.15  
Shows the activities of the Air Surgeon and the accomplishments of the School of Aviation Medicine and the Aero Medical Laboratory. Demonstrates that flyers of the U. S. Air Force have the best protection and care that modern science can provide.

**THAT MOTHERS MIGHT LIVE (TFC)**

h-c-a 9 minutes B&W: \$1.65  
Tells the story of the fight of Dr. Ignaz Semmelweis against child-bed fever, including his discovery that the disease was spread by germs and the publication of his experiment. *Restricted to classroom use.*

**THEIR LAST BEAN (UW)**

p-i 7 minutes B&W: \$1.70  
Smart, but hungry, Willie Fox lures hunters from a banquet and puts them through so many tricks that he captures their feast.

**THEODORE ROOSEVELT: AMERICAN (USDD)**

j-h-c-a 26 minutes B&W: \$3.60  
A documentary account of the life, times, and triumphs of Theodore Roosevelt in his many roles as soldier, explorer, naturalist, author, crime fighter, reformer, legislator, and statesman. Particular attention is given to the development of his political career.

**THEORY OF FLIGHT: AERODYNAMICS SERIES (EB)**

j-h-c 10 minutes B&W: \$2.15  
Explains basic principles of airplane flight by illustrating the application of physical laws to forces acting on airfoils. First, wind tunnel demonstrations vividly reveal relations of air velocity to lift and drag on flat and cambered airfoils. The film then demonstrates functions of rudder, elevator, and ailerons; and finally illustrates actions of plane when pitching, rolling, and yawing.

**THEORY OF MAKE-UP FOR THE THEATER (UC)**

j-h-c-a 7 minutes Color: \$2.90  
Examines the chiaroscuro and color elements of facial make-up, showing how hard-edge and soft-edge shadow patterns can be made, and both dimension and character emphasized.

**THERE AIN'T NO SUCH ANIMAL (TFC)**

j-h-c 9 minutes B&W: \$1.65  
Shows the origin and habits of the following unusual fish off the great barrier reef of Australia: the deadly stonefish, giant mantis prawn, Barrier Reef starfish, walking fish, mud skipper, and giant turtles weighing over 350 pounds. *Restricted to Classroom use.*

**THERE WERE TWO DOCTORS (IFI)**

h-c-a 17 minutes B&W: \$3.65  
A young Mexican doctor goes to serve his internship in a tiny rural village of Zinacanton, Mexico. For weeks the doctor battled the ancient suspicions and prejudices which still exist in many parts of Mexico. However, the village and even the witch doctor were finally won over to the beliefs of science by the use of serum to save a child bitten by a scorpion.

**THERE'S MONEY IN SHEEP (UI)**

h-c-a 9 minutes Color: N.C.  
Describes the proper methods of rearing and caring for sheep in order to make money.

**THERMODYNAMICS (EB)**

j-h 10 minutes B&W: \$2.15  
Explains how heat engines function by presenting the concepts that molecular action is affected by heat, that heat is energy, and that heat energy can do work. Animated drawings demonstrate energy transformations in the steam engine, steam turbine, gasoline engine, and diesel engine. Also describes the first and second laws of thermodynamics.

**THESE ARE SOUTH AFRICANS (FON)**

j-h-c-a 29 minutes Color: \$8.65  
The people and their way of life—the Cape fishermen, the students, and the sportsmen, the farmers and city-dwellers.

**THESE FISH ARE YOURS (WLF)**

j-h-c-a 30 minutes B&W: \$4.65  
The complete life cycle of the trout which are found in the streams on the eastern slopes of the Rocky Mountains. Includes pictures of the golden trout, rainbow or brook trout, and Mackinaw or lake trout.

**THEY ALL LEARN TO READ (IFB)**

c-a 24 minutes B&W: \$5.10  
Shows the importance of effective reading instruction and the various aspects of this subject such as grouping according to ability, testing, evaluation, use of interesting material, motivation, and a variety of activities and devices to facilitate the teaching and learning of reading.

**THEY GROW UP SO FAST (AI)**

c-a 25 minutes Color: \$6.65  
Designed to highlight the reasons for and content of a good program of physical education. The attention of the community is called to the importance of adequate leadership and facilities for a complete program of physical education, and as a result action is taken by which children are given the opportunity to participate in a wide variety of experiences provided by physical education activities.

**THINGS DISSOLVE (YA)**

i 11 minutes B&W: \$2.15  
Introduces the concept of physical change by using a wide variety of everyday examples to show that some things dissolve, and explains how this is important.



**THINGS EXPAND WHEN HEATED (YA)**

i-j 10 minutes B&W: \$2.15  
Demonstrates by animation and simple photography that heat is a necessity and explains the molecular theory to show how air expands when heated and contracts when cooled. It uses many everyday examples of interest.

**THIRD DIMENSION (NFBC)**

j-h-c-a 17 minutes B&W: \$3.15  
Shows several Canadian sculptors at work using a variety of materials and techniques. One sketches a figure on a stone block and later chisels it out of the mass. Another works in clay, bending metal rods into a basic form and building up the complete figure with successive additions of clay. The process of making a plaster mold from a clay figure is described in detail. Other artists make designs for currency and specialize in amusing pottery figures.

**THIRSTING STONES, THE (C)**

p-i 13 minutes B&W: \$2.65, Color: \$4.40  
Re-enacted against a pastoral setting, and narrated by a children's storyteller, this is an adaptation of the fairy story about the stones that revealed a treasure and the shepherd boy who is rewarded for his goodness.

**THIRSTY ACRES (UPRR)**

j-h-c-a 29 minutes Color: \$2.15  
Shows reclamation of new land through irrigation and the resulting wealth of impounding water, distribution, ditches, and systems of irrigation materials. Land leveling equipment is also shown.

**THIS HERITAGE OF OURS (EFC)**

j-h 43 minutes Color: \$11.30  
Illustrates the expansion of the United States during the period when the frontiers were pushed back from the eastern seaboard, then to the Allegheny Mountains, and, in time, to the Mississippi.

**THIS IS ALUMINUM (USBM)**

i-h-c 28 minutes B&W: \$2.15  
Shows the mining and preparation of aluminum ore and the fabrication of the metal and its alloys.

**THIS IS AUTOMATION (GE)**

h-c-a 30 minutes Color: \$8.00  
A practical, step-by-step plan for achieving automation. Explaining automation in "how to" terms, this film shows how planned steps can increase productivity, upgrade worker skills, improve quality, expand capacity, and cut costs.

**THIS IS ECUADOR (UW)**

general 17 minutes B&W: \$2.65  
An educational and entertaining film on Ecuador stressing the strategic importance of the Galapagos Islands, and their nearness to the Panama Canal, the life line of the Americans. There are scenes of the islands showing the wide variety of plant and animal life that exists there. There is also an analysis of Ecuador's resources.

**THIS IS FINLAND (FON)**

j-h-c-a 30 minutes B&W: \$4.15  
Depicts the people and the country of Finland. Includes industries, agriculture, arts, and crafts.

**THIS IS THE MOON (YA)**

i-j 11 minutes B&W: \$2.15  
Explains the relation of the moon to the sun and earth. Also explains how the moon gets its light, the phases of the moon, and its physical characteristics.

**THIS IS THE S.I.U. (WEB)**

c-a 21 minutes B&W: \$3.15  
Depicts the operation and function of the Atlantic and Gulf Districts of the Seafarers Union Headquarters. The story is told through the eyes of a seaman just home from a voyage and his relationship with his headquarters unit.

**THIS IS TVA (TVA)**

h-c-a 25 minutes Color: \$2.15  
The film covers the first 25 years of the Tennessee Valley Authority's resource development program. Describes all major phases of TVA's operations such as flood control, navigation, and power production. Also includes the research laboratories

and plants at Muscle Shoals, and the impact of World War II and the Korean conflict on the growth of the power system. Other phases of TVA operations pictured are forestry development, malaria control, and use of the TVA lakes for recreation.

**THIS LAND, AUSTRALIA (ANIB)**

i-j-h-c-a 23 minutes Color: \$6.65  
A general film of Australia—showing main features of the land and its people. This study of contemporary Australia, produced in 1958, replaces the film *Australia Today*.

**THIS SPANISH-SPEAKING WORLD (GAF)**

j-h-c 11 minutes B&W: \$2.15  
A trip to the Iberian Peninsula where, by maps, scenes, and commentary we trace the origin and development of the word "Spain" and the history of the Peninsula itself up to the time of the unification of the country known today as Spain.

**THIS THEATER AND YOU (TFC)**

h-c-a 7 minutes B&W: \$1.50  
Explains the role of the theater and the man who runs it, not only in relation to the motion picture industry, but also in relation to each community. *Restricted to classroom use.*

**THIS VITAL EARTH (EB)**

j-h-c-a 10 minutes Color: \$3.40  
Shows the interdependence of plants and animals for survival and control, and explains the organization and balance in nature. Reveals how man upsets the balance in nature by robbing the soil of hidden values, and shows the nonproductiveness of soil deficient in certain minerals.

**THOMAS HARDY COUNTRY (GA)**

j-h-c-a 16 minutes B&W: \$3.65  
Dorsetshire, England—its extensive coast line, agricultural area and rivers that have been the setting for stories by Austen, Wordsworth, Frances, and Hardy.

**THOMAS JEFFERSON (EB)**

i-j-h 18 minutes B&W: \$4.15  
Outlines the career of Jefferson by dramatizing incidents that characterize him best. Includes scenes of writing the Declaration of Independence, contributions to social reform, success as minister to France and as Secretary of State, political campaign for Presidency, the Louisiana Purchase, the commissioning of Lewis and Clark, and his founding of the University of Virginia.

**THREE AMERICAN BALLADS (UC)**

general 10 minutes Color: \$2.90  
A series of expertly-done still sketches illustrate three ballads, *Acres of Clams*, *Ol' Dan Tucker*, and *John Henry*, which are sung to guitar accompaniment. Three ballads from America's most famous folk traditions—brought to life on the screen.

**THREE DEEP (IU)**

p-i 6 minutes B&W: \$1.65  
A fourth grade group forms a double circle to play this active game. The teacher chooses a runner and a chaser who demonstrate the general rules of the game. The variations of "Third Man" and "Two Deep" are shown.

**THREE DIMENSION DRAFTING (KB)**

c-a 20 minutes B&W: \$3.90  
Compares this new technique with the old conventional methods, and shows the many advantages of the 3-D methods over flat plane or orthographic drawings.

**THREE FOX FABLES (EB)**

p-i 11 minutes B&W: \$2.15  
This film recaptures all the fascination of three of Aesop's best-loved fables—"The Fox and the Grapes," "The Fox and the Crow," and "The Fox and the Stork." Ingenious direction of real animals in attractive woodland settings brings to life the famous stories.

**THREE GREAT RELIGIONS (CHINA) (CF) (SILENT)**

j-h-c-a 15 minutes B&W: \$1.65  
Presents Taoism, Buddhism, and Confucianism.

**THREE LITTLE BRUINS GO CAMPING (UW)**

p-i-j 9 minutes B&W: \$1.65  
Three bear cubs invade a camp and get into trouble.



**THREE LITTLE BRUINS' GREAT ADVENTURE (UW)**

**p-i** 9 minutes **B&W: \$2.15**  
A camera study of mischievous baby bears and their friends of the wild. They have amusing encounters with a porcupine, a skunk, a woodchuck, and a playful otter. Though they narrowly escape losing their freedom, their adventures are fun.

**THREE LITTLE BRUINS IN THE WOODS (UW)**

**p-i-j** 9 minutes **B&W: \$1.65**  
Concealed cameras steal amazing, intimate, action shots of baby bears, and many timorous creatures of the wild.

**THREE LITTLE BRUINS MAKE MISCHIEF (UW)**

**p-i-j** 9 minutes **B&W: \$1.65**  
A hilarious story of three small bears who, one day, wander out of the forest and head for a farm. Their visit involves encounters with a cow, a goose, and a horse. Then they find the kitchen which complicates things.

**THREE LITTLE BRUINS ON A SPREE (UW)**

**p-i** 9 minutes **B&W: \$2.15**  
High above the deep canyon a cable is stretched from a lofty tower and when Elmer and his pals discover it, curiosity gets the better of caution and they can't get down. Unhappy and frightened, they put on a thrill act any circus would bill as a feature attraction. A boy scout finally discovers their plight.

**THREE LITTLE KITTENS (EB)**

**p** 10 minutes **B&W: \$2.15**  
Discovered in the barn with their mother by a farmer's wife, three kittens provide an opportunity for learning about the characteristics and habits of cats and kittens. Shows the mother caring for her babies, and follows the growth of the kittens as they play, climb, eat, and learn to care for themselves.

**THREE LITTLE PIGS (BACKGROUND FOR READING AND EXPRESSION) (C)**

**p** 11 minutes **Color: \$3.40**  
The story of the three little pigs is colorfully retold. The elements of the original story are enhanced by the use of real animals.

**THREE MORE LITTLE PIGS GO TO MARKET (PCA)**

**h-c-a** 21 minutes **Color: N.C.**  
Stresses sanitation and good management as a means of raising hogs successfully. Shows the life cycle of the round worm and the prevention of the worm in hogs. Indicates that guard rails, pig brooders, and gravel slabs help prevent disease. Shows how to build concrete floors for hogs.

**THREE ON THE TRAIL (UW)**

**general** 9 minutes **B&W: \$1.70**  
Hopalong Cassidy's suspicions of Jim Kane's sudden prosperity are confirmed later when his pal recognizes one of Kane's men during the holdup of a stage. Hopalong organizes a company of ranchers to capture the entire gang who are barricaded in Kane's saloon.

**THREE R'S PLUS (McGH)**

**c-a** 27 minutes **B&W: \$5.65**  
Overall views of the curriculum, materials, techniques in the elementary school. Shows how the goals, subjects, methods and special programs have been added to in the last few years.

**THREE SQUARES, THE (USDA)**

**h-c-a** 13 minutes **Color: \$2.15**  
The film shows how canning of food started, how it grew, its scientific basis, and what it means to future generations. Pictures its operations and points out the values and virtues of canned products in providing the opportunity for three balanced meals every day of the year.

**THREE WIRE SERVICE ENTRANCE (UW)**

**h-c-a** 22 minutes **B&W: \$3.15**  
A technical film on the installation and connection of different electrical service units. Gives detailed information on the mounting and connecting of an outdoor meter connection box and a service control box. Explains the grounding of a three-wire service and the installation of a concentric service entrance cable.

**THREE WISHES, THE (C)**

**p-i** 9 minutes **B&W: \$2.15, Color: \$3.40**  
Presents the story of a peasant who aids two gnomes and is rewarded with three wishes. The peasant wastes the first wish

on his supper; his wife loses the second wish through anger; and the last wish is lost to repair the damage done by the second wish. Stresses the moral that greed does not pay.

**THRILL A SECOND, A (UW)**

**j-h-c-a** 11 minutes **B&W: \$1.70**  
Sensation-seekers, both men and women, risk their lives to give performances of thrills. Parachuting, human cannonball, slide for life, racing auto smash-ups, and bug-boat marathon are shown.

**THRILLS OF THE SURF (IFI)**

**j-h-c-a** 7 minutes **B&W: \$1.90**  
Describes in action photography the adventures of life guards and water sports experts in the exciting drama of surfboard riding, water skiing, and surf boat races. Filmed in Australia where long, mountainous waves break on the beaches. The life guards' festival, annual celebration of surf sports, is described.

**THROWING IN BASEBALL (EB)**

**j-h** 11 minutes **B&W: \$2.15**  
Explains the various techniques to be mastered in learning to throw a baseball effectively, including proper stance and grip. Professional players furnish demonstrations which are made remarkably clear by such unique motion picture devices as stop-motion, slow-motion, and close-up photography. Four throws are analyzed: the overhand, the three-quarter, the sidearm, and the underarm.

**THRUSHES AND RELATIVES (EB)**

**i-j-h-c-a** 11 minutes **B&W: \$2.15**  
The habitats, feeding habits, brooding, development, and activities of the bushtit, chickadee, hermit thrush, russet-backed thrush, robin, bluebird, and water ouzel. Bird calls and songs are included.

**THUNDER AND LIGHTNING (YA)**

**i-j** 10 minutes **B&W: \$2.15**  
Explains thunder and lightning in simple terms using these phenomena as a springboard for explaining static (frictional) electricity. Discusses protective measures against electrical storms.

**THUNDERING RAILS (AAR)**

**h-c-a** 17 minutes **B&W: \$2.15**  
Pictures the activities in a train station, the different types of trains, and the network of rails covering the United States.

**THUNDERING WATERS (NYC)**

**general** 20 minutes **Color: \$2.15**  
Points out the glacial relationship of Niagara Falls in the topography of the Great Lakes Region, and portrays the many points of interest which have drawn innumerable sightseers to the scenic area.

**THUNDERSTORMS (AEROLOGY) (CAA)**

**j-h-c** 35 minutes **B&W: \$2.15**  
Deals with the formation of thunderclouds; points out their identifying features; discusses alternatives a pilot may follow when storms are encountered, and dramatizes one pilot's experience with a thunderstorm. Animation and some straight photography are used.

**THURSDAY'S CHILDREN (BIS)**

**h-c-a** 22 minutes **B&W: \$3.40**  
A skillful teacher works with a group of deaf children, ages four to seven. Traces the growth of understanding in these children from complete ignorance of words to lip reading. Later they are taught to speak by reproducing the sounds.

**TIDE POOL LIFE (IFI)**

**j-h-c-a** 11 minutes **Color: \$3.40**  
Shows some of the more usual species of marine life found near rocky shores and tide pools. Studied in detail are the mussels, whelks, sea anemones, sea urchins and abalones.

**TIDES (AL)**

**j-h-c-a** 11 minutes **B&W: \$2.15**  
Actual scenes of tidal action are presented and then explained by the use of models and animated sequences to provide an understanding of one of the complexities of our world.



**TIERRA MEXICANA (IFB)**

j-h-c 22 minutes B&W: \$3.90  
Presents many phases of peasant life in Mexico. Shows the primitive culture of the peasants, natural resources, industries, and scenery in several parts of the country. Includes several maps and uses simple Spanish commentary and titles.

**TIGER FANGS (OF)**

j-h 11 minutes B&W: \$1.70  
The natives employed on an African rubber plantation are endangered by the attacks of a ferocious tiger. Frank Buck discovers that poison darts are the cause of the attacks. He saves the animals from torture, the natives from danger, and the plantation from sabotage.

**TIGHT LINES (NFBC)**

general 17 minutes Color: \$2.15  
Copious lakes and streams, natural settings of unsurpassed beauty, and the provincial government's continuous fish-stock- ing program assure full pleasure for the native British Colum- bian and visitor alike. The film provides a colorful sampling of the kind of sport awaiting the fishermen, young or old, expert or amateur.

**TIMBER GROWING TODAY (TVA)**

h-c-a 20 minutes Color: \$3.90  
Shows that sustained-yield management of forests is economi- cally sound and that forest owners in the Tennessee Valley are beginning to adopt the timber growing idea.

**TIME (IU)**

j-h-c 18 minutes Color: \$5.50  
Presents methods of determining and keeping time and the uses of time.

**TIME AND TWO WOMEN (ACS)**

c-a 20 minutes Color: \$2.15  
Explains the early symptoms of uterine cancer and the neces- sity for early treatment. For women only.

**TIME AT SEA (UW)**

h-c 17 minutes B&W: \$3.15  
Shows the workings of the ship's clock and its record. Time and time errors are discussed.

**TIME FOR BACH, A (FII)**

h-c-a 26 minutes B&W: \$4.65  
An attempt to integrate Bach's music and its function today and the many varied and contradictory patterns of modern life.

**TIME FOR TELEVISION (SEF)**

j-h-c-a 22 minutes B&W: \$3.90  
A boy's fascination with television monopolizes his life—shut- ting out his family, his teacher, his schoolmates and friends. His final realization of how much he has been losing sets him to work out his own way of letting television take a natural and interesting part of his daily existence.

**TIME FOR TOMORROW (SF)**

h 15 minutes Color: \$2.15  
Shows how a pharmacy student spends his time in the labora- tory, classroom, and after school hours.

**TIME-LAPSE PHOTOGRAPHY (IFB)**

h-c-a 11 minutes Color: \$3.40  
Shows the creation of the illusion of motion with methods for creating time variances. Examples such as the budding of a flower and a boy swinging a golf club are used to depict the various uses of speed and its control. Specialized equip- ment for time lapse photography is shown in operational detail.

**TIME-LAPSE STUDIES OF GROWING TREES (NYS)**

j-h-c-a 9 minutes Color: \$3.40  
Shows unfolding leaf and flower buds, growth of cottonwood and silver maple, fruits from the flowers, and the adventures of seeds as they are blown away by the wind, take root, and grow.

**TIME OUT OF WAR, A (UC)**

j-h-c-a 22 minutes B&W: \$4.65  
A quiet, thought-provoking film about the Civil War. Two Northern soldiers and a Southern soldier observe an hour's

truce at a river. Time is suspended as they smoke, fish, ex- change rations and coffee for tobacco. 1954 Academy Award winner for the best two-reel film.

**TIMES OF TEDDY ROOSEVELT, THE (20th CENTURY) (CBS-McGH)**

j-h-c-a 28 minutes B&W: \$5.35  
The life and times of the President who shepherded the U. S. into the mainstream of 20th Century life.

**TIMID RABBIT (UW)**

p-i 7 minutes B&W: \$1.70  
Mr. Rabbit loves Betty Big Ears, but he has problems of being timid. He finally becomes tired of being afraid and jumps into the lake only to scare a family of frogs. Through this act, he becomes bold.

**TIN FROM MALAYAN JUNGLE (HFE)**

j-h-c 11 minutes B&W: \$2.15  
Clearly demonstrates the interdependence of the world through the exchange of goods. To effectively mine the rich deposits of tin in Malaya, workers and machinery come from all over the world, and the refined tin is sold in many countries. New and old methods of production are contrasted and questions concerning standards of living and of conservation of natural resources are proposed.

**TIN TOP: A COMMUNITY BUILDS (BU)**

h-c-a 26 minutes B&W: \$4.65  
This is the story of the renaissance of Tin Top, Texas, once a dying community of 135. All communal spirit seemed dead until one day a small group banded together to paint their crumbling church. This simple act awakened their pride and caused a series of concerted actions to take place that, in two years, raised Tin Top from a ghost town to a happy thriving community.

**TINA, A GIRL OF MEXICO (F)**

i-j 17 minutes Color: \$4.65  
Mexican family life in the mining town of Taxco. The story centers around Tina, her parents, Rosita and Pablo, and baby brother Juan. Presents the Mexican people with their quiet charm, dignity and graciousness. There is a wealth of detail of home life, trades, the market, and the colorful music and spirit of festival time.

**TINY WATER ANIMALS (EB)**

j-h-c 9 minutes B&W: \$2.15  
The life processes and characteristics of microscopic pond animals are depicted. The activities of the amoebae and para- mecia are given major emphasis. The film also reveals other interesting tiny water creatures such as the wheel animalcule and swan animalcule.

**TIPPY—THE TOWN DOG (EB)**

p 10 minutes Color: \$3.40  
The story of a terrier who escapes from his busy adult master and has many adventures before he finally returns and ac- quires a new and youthful owner. In his adventures, Tippy tries to make friends with a succession of people and animals: a neighbor, a large dog, an organ grinder's monkey, a dog- catcher, and the city firemen.

**TIPS FOR TEACHERS (JH)**

c-a 18 minutes B&W: \$3.40  
Explains the difference of personality, preparation, and pres- entation in good teaching. Uses classroom situations to illus- trate that teachers must use showmanship, salesmanship, and dramatic ability to stimulate the learning process.

**TITO, OUR ALLY? (McGH)**

h-c-a 17 minutes B&W: \$3.90  
Highlights the nation-wide drive for literacy, the establish- ment of vocational training schools, and the state-organized trips for the workers. Reviews the recent history of American- Yugoslav relations, and raises the question of Yugoslavia's posi- tion in the conflict between the USSR and the West.

**TO LIVE TOMORROW (ASF)**

j-h-c-a 15 minutes B&W: \$2.15  
A flash fire in the kitchen, a blaze in a theatre, a tornado in the Southwest, an enemy attack—each in its own way is a kind of shocking experience that can cause uncontrolled fear and panic. This film probes several different situations, studies the reactions of various individuals, shows how leadership, training, mental conditioning can prevent panic.



**TO MARKET, TO MARKET (F)**

j-h-c 11 minutes Color: \$3.15  
Shows the flow of business from the producer through the different middlemen to the retailer and consumer.

**TO THE YALU—THE COLD DECADE (AIR POWER SERIES) (CBS)**

h-c-a 28 minutes B&W: \$5.65  
This grim story of the Soviet-supported invasion of South Korea in 1950 and the explosive political overtones of the East-West cold war, is also the story of the advent of the first American jet fighter, the Lockheed F-80 "Shooting Star."

**TOADS (DPP)**

i-j-h 10 minutes Color: \$3.40  
The toad is seen as one of the few remaining descendants of the prehistoric amphibians. Shows the life cycle from a water-born to a land-dwelling animal, and how the toad procures food, protects himself and can live even in desert areas.

**TOBACCO AND THE HUMAN BODY (EB)**

j-h-a 17 minutes B&W: \$3.40  
An authentic report on the scientific results of modern research, evaluating the effects of the use of tobacco. Analyzes tobacco smoke, demonstrates some of the psychological effects of smoking, and sums up factors to be considered in deciding whether or not to smoke.

**TODAY AND TOMORROW (ATL)**

h-c-a 17 minutes B&W: \$2.50  
Depicts the growth of Technion-Israel Institute of Technology, the only engineering university in Israel. Highlights the Institute's role as Israel's major industrial research center, as well as her sole source of technologically-trained manpower.

**TODAY'S CHICKS (USDA)**

h-c-a 18 minutes Color: \$3.40  
Today's chicks are produced by a highly specialized industry of more than 9,000 commercial hatcheries. Many of these hatcheries operate under the National Poultry Improvement Plan. Scenes cover the basic operations of this program including selecting breeders, methods of testing them for pul-lorum disease, sanitation procedures in the hatchery and in the field, and the production of pedigreed breeding stock. Emphasis is given to the point that raisers of poultry should carefully choose their sources of chicks.

**TODAY'S HORSE FARM: SUN-UP TO SUN-DOWN (F)**

i-j 10 minutes Color: \$3.40  
Shows a California ranch on which draft horses, mainly Percherons, are raised for show or for doing farm work. A day in the life of the horses shows them being fed, curried, taken out to pasture, and brought back to the barn for the night.

**TODAY'S NEED IN ARITHMETIC: A MATHEMATICAL APPROACH (SFC)**

c-a 13 minutes Color: \$2.15  
The traditional and modern methods of problem solving are contrasted. The difficulties pupils had with traditional methods are shown, and then how pupils using modern mathematical techniques go to the heart of the matter by setting up an equation first, then computing. Today's children start writing simple equations in third grade to describe and attack story problems, learn to use equations of ratios in fifth grade, and apply ratios in solving all types of per cent problems in sixth grade.

**TOLD BY A TOOTH (NMP)**

p-i-j 10 minutes B&W: \$2.15  
By means of animation and true-to-life photography, it shows the importance of proper nutrition, exercise of teeth and gums, correct use of the brush and periodic visits to the dentist.

**TOLEDO STORY (UAW)**

j-h-c-a 15 minutes B&W: \$2.15  
Shows how through cooperative efforts an excellent camp site can be established and maintained. Explores a camp site owned by UAW Local 12 of Toledo, Ohio, and traces a typical day in the lives of the children who are in attendance.

**TOM SAVAGE (BOY OF EARLY VIRGINIA) (EB)**

i-j 16 minutes Color: \$5.60  
Depicts the story of Tom Savage, a 13-year-old boy, who was given to the Indians as a token of friendship. He so learned their language and ways of living that he eventually became the colonist's official interpreter with the Indians.

**TOMMY, THE LION (YA)**

p 15 minutes B&W: \$2.40  
The story of a typical day with a pet lion cub and his owners, Mr. and Mrs. Owens of Garden City, Kansas. Tommy plays with the children, visits school, and makes a trip to the veterinarian. The story structure points up the parallel between Tommy's daily life and habits and the habits of the children.

**TOMMY'S DAY (YA)**

p 14 minutes B&W: \$3.40  
Home scenes point out desirable practices of health and family relationships, and school scenes deal further with diet and dental care.

**TOMMY'S HEALTHY TEETH (C)**

p 11 minutes B&W: \$2.35  
Tommy has just lost a tooth. The dentist explains the purposes of the different kinds of teeth and shows Tommy how to take good care of his teeth.

**TOMORROW'S MEXICO (MOT)**

h-c-a 17 minutes B&W: \$3.15  
Through such personalities as Diaz, Villa, Obregon, Cardenas, and Aleman, this film shows the course of social upheaval; traces Mexico's history since 1910, and discusses her plans for eliminating illiteracy and raising the standard of living.

**TONY LEARNS ABOUT FIRE (BCRI)**

p-i 18 minutes B&W: \$2.65  
Several sixth grade students are indirectly involved with a fire. This leads to the adopting of a fire safety program by the school. Classroom scenes illustrate how safety precautions can be integrated into regular classroom work.

**TOOT, WHISTLE, PLUNK, AND BOOM (WDP)**

i-j-h-c-a 10 minutes Color: \$3.40  
Uses animation to trace the origin of musical instruments of today back to the time of the caveman.

**TOP LINER (BIS)**

i-j-h-c-a 20 minutes B&W: \$3.15  
This is the story of the largest ocean liner, the *Queen Elizabeth*. Her staff and crew are so efficiently organized that the 83,000 ton ship can carry 2,314 passengers across the Atlantic in maximum comfort and can be prepared for the return voyage in two days. The film depicts the *Elizabeth's* luxurious accommodations and her efficient power plant.

**TOPSOIL (UW)**

general 8 minutes B&W: \$2.15  
Explains the dependence of rural and urban people upon soil. Shows the characteristics and importance of topsoil. Explains how topsoil was made by nature through the centuries, and how and why it should be conserved.

**TORMENT OF BEETHOVEN, THE (YOU ARE THERE) (CBS)**

j-h-c-a 27 minutes B&W: \$5.65  
A dramatization of that critical day in the life of the great composer when he is certain he will become, in time, totally deaf. Additionally affords some insight into his life and presents excerpts from his greater works.

**TORN PAPER (BFS)**

general 5 minutes Color: \$2.65  
Demonstrates a new and unique kind of art expression. Using a newspaper as practice material, and later sheets of different colored paper, students tear out a variety of shapes, figures, and designs. These torn paper forms are then adhered onto a paper background to form pictures.

**TORNADO (UW)**

j-h-c-a 17 minutes B&W: \$2.15  
Depicts a grim record of actual scenes of the tornado in action. Illustrates protective measures and conditions which may generate a tornado. The film also shows the operation of the weather bureau in detecting and warning about dangers.

**TORONTO SYMPHONY ORCHESTRA (NFBC)**

h-c 11 minutes B&W: \$1.50  
Sir Ernest MacMillan conducts the Toronto Symphony Orchestra in the *Jamaican Rhumba* by Benjamin, *A St. Malo*, by the conductor himself, and Kabelevsky's Overture to *Colas Brengnon*.



**TOUCHDOWN THRILLS OF 1949 (OF)**

j-h-c-a 9 minutes B&W: \$1.70  
Highlights of the following games: Army-Pennsylvania, Tulane-Georgia Tech, Cornell-Pennsylvania, Notre Dame-Southern California, Army-Navy, and Notre Dame-Michigan.

**TOUCHDOWN THRILLS OF 1950 (OF)**

j-h-c-a 9 minutes B&W: \$1.65  
Highlights from the following football games of the 1950 season: Purdue-Notre Dame, Army-Harvard, Kentucky-Georgia Tech, Ohio-Northwestern, Texas-Southern Methodist, Princeton-Cornell, and Oklahoma-Texas.

**TOULOUSE-LAUTREC (R)**

j-h-c-a 22 minutes Color: \$6.15  
Shows the life of Toulouse-Lautrec through his paintings and drawings, and describes the artistic life of Paris of the last century with music by Offenbach and his contemporaries.

**TOURNAMENT OF ROSES PARADE, 1952 (UI)**

general 24 minutes Color: \$6.65  
Brilliant scenes of the Tournament of Roses Parade in Pasadena, California, on New Year's Day in 1952. Thousands of brightly colored, fresh flowers make up the interesting and varied floats.

**TOWARD THE UNEXPLORED (20th CENTURY) (CBS-McGH)**

j-h-c-a 27 minutes B&W: \$5.35  
This film tells the amazing story of the X-2, the rocket airplane that took man higher and faster than he has ever been—126,000 feet high, at an incredible speed of 2,178 miles per hour.

**TOWER OF DESTINY (McGH)**

h-c-a 15 minutes B&W: \$3.65  
Development and construction of the UN building in New York showing interior design, architectural development and functional aspects of the building. Stresses the international aspect of the UN.

**TOWN, THE (UW)**

h-c-a 11 minutes B&W: \$1.50  
Shows life in an American town, Madison, Indiana, and explains the democratic characteristics of the social and civic life of the people.

**TOWN AND COUNTRY RECREATION (AI)**

c-a 22 minutes Color: \$5.95  
Here is a power-packed story of the building of recreation programs in rural areas and villages of less than 5,000 population. You see what happens to a sleepy town when a recreation program comes to life, through voluntary leadership, and grows into a year-round public supported program. Explains basic recreation planning and organization, financing, building of facilities, utilization of local resources, development of enthusiasm, and group action. Shows where to get help and how to utilize it.

**TOWN IN OLD MEXICO, A (UW)**

general 10 minutes Color: \$2.65  
Pueblo, Orizaba, and Fortin de las Floras are the three villages seen in the beautiful color film which is narrated by Orson Welles. Seventeenth Century buildings of extraordinary architectural merit, and interiors of homes still in use are shown as classic examples of the architecture of the Spanish conquistadores. In Fortin de las Floras, flowers grow in such profusion they perfume the countryside for miles around.

**TOWN WITHOUT WATER (AFF)**

h-c-a 15 minutes B&W: \$2.15  
Southern Italy is dotted with hundreds of small, inaccessible, backward towns. For years, because of water scarcity and lack of sanitation facilities, the people of these towns have been particularly susceptible to typhoid. Communities now benefit from water projects financed by E.R.P. funds.

**TOY TELEPHONE TRUCK, THE (BACKGROUND FOR READING AND EXPRESSION) (C)**

p 10 minutes B&W: \$2.15, Color: \$3.40  
Children see how a toy telephone truck is made, delivered to a toy shop, sold to a parent, and presented to a little boy for his birthday. Youngsters learn how people must work together to make and sell toys.

**TOYLAND ADVENTURE (OF)**

p-i-j 7 minutes B&W: \$1.50  
Pictures a busy day in the toyshop—with wooden soldiers on parade, romantic mice, and a battle royal when a mean old cat tries to spoil the fun.

**TOYMAKER, THE (ATH)**

p-i-j-h-c-a 15 minutes B&W: \$3.15  
Two hand puppets, Spots and Stripes, learn that in spite of slight differences in appearance, they are both animated by the same power—the hands of the toymaker. They then resolve to be friends instead of rivals.

**TOYS FROM ODDS AND ENDS (BRF)**

i-j-h-a 11 minutes B&W: \$2.15  
A brief display of toys made from odds and ends of cloth, wool, yarn, and rubber. A detailed demonstration of the making of a small woolly dog is illustrated.

**TRACKING THE SLEEPING DEATH (TFC)**

j-h-c 11 minutes B&W: \$1.65  
David and Mary Bruce, who have fought plagues and epidemics in all parts of Africa, are sent to Uganda by the British Government to search for the cause of the sleeping sickness plague that has broken out among the natives. They eventually discover that the germ is carried by the Tse-tse fly. *Restricted to Classroom Use.*

**TRADING CENTERS OF THE PACIFIC COAST (C)**

i-j-h 10 minutes B&W: \$2.15  
Beginning with a uniquely animated map and following with live action photography which captures the vitality of Seattle, Portland, San Francisco, Los Angeles and San Diego, this film illustrates the components that make a small trading post grow into a large trading city.

**TRADING POST (McGH)**

h-c-a 15 minutes B&W: \$3.90  
A film tour of the Merchandise Mart in Chicago—a “national trading post” where consumer goods from all over the country are presented to department and specialty store buyers.

**TRAFFIC WITH THE DEVIL (TFC)**

general 17 minutes B&W: \$3.15  
Shows the duties of a traffic control officer in Los Angeles, and the magnitude of present-day traffic problems as compared with those of 40 years ago. Also, an analysis of the causes of traffic casualties. *Restricted to Classroom Use.*

**TRAGEDY OF JOHN MILTON, THE (YOU ARE THERE) (CBS)**

j-h-c-a 27 minutes B&W: \$5.65  
August 13, 1660, the blind poet, once honored by his countrymen, is driven into hiding by Charles II, and his life's work is ordered destroyed because of his Puritan beliefs. Helps to explain some of the problems of freedom of expression, even as they exist in the world today.

**TRAGIC HOUR OF DR. SIMMELWEISS, THE (YOU ARE THERE) (CBS)**

j-h-c-a 27 minutes B&W: \$5.65  
The story of Dr. Simmelweiss's dismissal from the Vienna Hospital because of his fight to prevent childbed fever. His struggle is highlighted by his accusation that the medical profession is inattentive to sanitary conditions.

**TRAILER LIFE (FARMER AL FALFA) (UW)**

general 6 minutes B&W: \$1.70  
Al Falfa tours the Wild West. His radio warns that an Indian chief is on the warpath. The chief captures his trailer, but the gadgets in the trailer provide plenty of laughs.

**TRAINING AIDS: CLASSROOM UTILIZATION (UW)**

h-c-a 15 minutes B&W: \$3.15  
Pictures how a good Navy instructor conducts a classroom lesson with the use of training aids.

**TRAINING AIDS: SELECTION AND PLANNING (UW)**

h-c-a 16 minutes B&W: \$3.15  
Shows how a Navy instructor selects and plans the use of training aids; fits motion pictures, still pictures, charts, models, and mock-ups into his lesson plan; and checks classroom, equipment, and aids prior to use.



## TRAINING AIDS: SLIDES, LARGE DRAWINGS, AND TRANSPARENCIES (UW)

**h-c-a** 18 minutes Color: \$4.85  
Explains the nature of the equipment, necessary materials, and the opportunities for preparing and using such training aids by naval instructors.

## TRAMPOLINE FUNDAMENTALS (BFS)

**j-h-c-a** 11 minutes Color: \$3.80  
An instructor and a group of high school boys and girls demonstrate the basic fundamentals of trampolining. Shown in detail are the landing positions, aerial positions, front and back flips (with spotters), and combinations of these fundamentals which lead to a variety of stunts for the advancing student. Stressed are the importance of safety measures and the need to practice each step until it is thoroughly learned.

## TRANSATLANTIC HOP (McGH)

**h-c-a** 14 minutes B&W: \$3.65  
Recalls some historic feats in aviation history. Then shows a transatlantic flight by commercial airliner including planning the flight, the planes, and the actual trip.

## TRANSFER OF HEAT (YA)

**j-h** 11 minutes B&W: \$2.15  
Illustrates and explains the principles by which heat is transferred from one point to another, by conduction, convection and radiation.

## TRANSONIC FLIGHT (SOC)

**h-c-a** 22 minutes Color: \$2.15  
This film deals with the subject of high speed flight. It gives analysis of technical problems in the transonic range—those speeds at which airflow around a plane is part subsonic and part supersonic. It shows how designers have solved the problems and made transonic flight smooth and safe.

## TRANSPORTATION: AMERICA'S INLAND WATERWAYS (C)

**i-j-h** 14 minutes Color: \$4.40  
Scenes of activity on some of the most important lakes, rivers, and canals that form a network of transportation routes stress the importance of the inland waterways to our country's economy. The historical background of some of the major waterways and the kinds of cargo carried on them are also presented.

## TRANSPORTATION BY AIR (McGH)

**i-j-h** 15 minutes B&W: \$3.00  
Discusses the importance of air transportation to America, including the many kinds of aircraft and the people who work with them.

## TRANSPORTATION BY LAND (YA)

**i-j-h** 11 minutes B&W: \$2.25  
Social and economic values of land transportation as applied to rail and highway.

## TRANSPORTATION BY WATER (YA)

**i-j-h** 14 minutes B&W: \$2.90  
Social and economic values of water transportation. Deals with oceans and inland water systems.

## TRANSPORTATION IN THE MODERN WORLD (C)

**i-j** 10 minutes Color: \$3.40  
Shows the importance of various types of transportation to industry, travel, and growth of cities in our nation. Compares transportation today with that of the past, providing a basis for studying its development in our interdependent world.

## TRANSPORTATION IN THE UNITED STATES (MOT)

**h-c-a** 17 minutes B&W: \$3.40  
Emphasizes that the railroads are still the backbone of the nation's transportation system. Points up both the shortcomings and the progress made in rail transportation and how the need for progressive action is being met not only as it applies to freight but also to passenger requirements.

## TRAVEL IN AMERICA IN THE 1840's (C)

**i-j** 13 minutes Color: \$3.50  
A journey from New York to Illinois—by stagecoach, Erie Canal, lake steamer, and the new steam train. Students will understand the significance of the changes in transportation that are beginning by the 1840's.

## TREASURE HOUSE (RKO)

**general** 15 minutes B&W: \$3.65  
Reviews the history of the Smithsonian Institution and pictures many of its exhibits and activities, both on expeditions and in its workrooms.

## TREASURE IN BOOKS, A (DPP)

**p-i** 11 minutes Color: \$3.60  
Two young boys, digging for treasure in the yard as they follow an old map, discover a chest containing many things of interest to young people, including a collection of books. Scenes in a library show how to care for books and how children are helped to find a vast amount of interesting reading for learning and for fun.

## TREASURE ISLAND (TFC)

**j-h-c-a** 43 minutes B&W: \$8.00  
A school abridged version of the feature-length dramatization of Robert Louis Stevenson's book. *Restricted to Classroom Use.*

## TREASURES FOR THE MAKING (ASF)

**j-h-c-a** 22 minutes Color: \$2.15  
Step-by-step demonstration of jam and jelly making by the short-boil (pectin) method and long-boil method. Includes sequences on the use of frozen and dry fruits, bottled and canned juices, and fresh and canned fruits.

## TREASURES IN SNOW (MIS)

**i-j-h** 7 minutes Color: \$2.50  
Snow is seen to be one of nature's priceless treasures. It is a source of recreation, a storehouse for water, and a source of power for generating electricity. Each snowflake is seen to be a jewel of crystalline perfection. Concepts of evaporation and condensation are graphically presented.

## TREASURES OF THE EARTH (CW)

**i** 11 minutes Color: \$3.40  
A fully animated film that visualizes some of the ways in which minerals have been deposited in the earth. An introduction reviews forces acting on the earth's crust and the resulting changes. The film then shows how minerals are concentrated as a consequence of these changes by being deposited in veins, by washing into stream beds and low areas, by seeping through the earth in solution. Describes how oil was trapped in the earth's folds and how coal was formed.

## TREASURES OF THE FOREST (C)

**i-j** 12 minutes B&W: \$2.90  
Presents the various stages in processing timber, from scientific forest management and industrial harvesting, to the finished newsprint and other paper and wood products. Demonstrates the increasing machinery-to-man ratio and the increasingly efficient utilization of wood in Canada's growing lumber industry. Scenes of log scaling, operations in the paper plant and the saw mill, and the specialized industry of salvaging waste, are highlights of the film.

## TREE BANK (USDA)

**h-c-a** 12 minutes Color: \$2.15  
This film shows how tree planting fits into America's Agricultural Soil Bank program. Interestingly illustrated are the values of tree plantations in conserving soil and water, in providing shelter for wildlife and recreational opportunities for the farm family, and as a source of additional cash income. Nursery and tree planting practices are shown. There are scenes depicting the types of cropland eligible for planting in trees under the Conservation Reserve of the Soil Bank and information as to sources of assistance available to farmers.

## TREE GROWS FOR CHRISTMAS (UW)

**general** 10 minutes B&W: \$2.15, Color: \$3.40  
The story of the Christmas tree in history and legend and the Christmas tree industry of today. Shows that cutting of trees for decoration is not a wasteful practice. On the contrary, when properly done, it is a good forestry practice. Trees are cut and marketed and the proper methods of handling the tree after it is brought home are illustrated. The picture ends with a short sequence on trimming the tree for Christmas Day.



**TREES FOR TOMORROW (AFP)**

j-h-c 16 minutes B&W: \$2.15  
Tells the importance of our renewable forest resource with emphasis on the improved scientific management of tree-producing lands. Shows both early American and modern utilization of wood and how trees are grown for tomorrow.

**TREES: HOW WE IDENTIFY THEM (C)**

i-j 10 minutes Color: \$3.40  
Ways to identify trees—by shape, bark, leaves, and fruit. Explains the differences between deciduous trees and evergreens. Individual characteristics of many trees are shown, and activities are suggested which will motivate students to take a greater interest in the trees in their own community.

**TREES TO TRIBUNES (CT)**

j-h-c 45 minutes Color: \$2.15  
Utilizing splendid photography, narration, and orchestral accompaniment, this film presents the pictorial story of producing a modern metropolitan newspaper, the *Chicago Tribune*. The film has three main divisions presenting: the gathering of pulpwood, making newsprint, and producing a newspaper.

**TRIAL AT NUREMBERG (20th CENTURY) (CBS-McGH)**

h-c-a 28 minutes B&W: \$5.35  
The trial of the top 21 Nazis charged with crimes against the peace, war crimes and crimes against humanity. Both American and Russian films are used to document this 11-month trial.

**TRIAL BY JURY (UWA)**

h-c-a 30 minutes B&W: \$5.40  
Depicts the highlights in the trial of an ordinary automobile accident damage suit, beginning with the accident itself, the filing of the complaint, the service of the summons, the process of selecting and impaneling the jury, and the actual trial. Gives special emphasis to court organization and the role of the jury.

**TRIODE (USOE)**

j-h-c 14 minutes B&W: \$2.90  
Compares the principles of the diode and the triode. Explains electric fields, a triode amplifier circuit, amplification of D. C. voltage changes, alternating voltages, distortion, and amplification of audio-frequency signals.

**TRIP TO THE MOON, A (EB)**

i-j-h-a 16 minutes B&W: \$3.40  
An imaginary rocket takes off to the moon and explores its surface. Describes conditions met in navigation to the moon. Once above the moon's surface, shows in detail the craters and "seas," the valleys and mountains that can be seen from the earth. Combines animation and model photography to create a realistic illusion.

**TRIPLE THREAT OF BRUCELLOSIS (USDA)**

c-a 27 minutes Color: \$2.15  
Tells the story of brucellosis, a disease that each year takes a heavy toll of livestock, causing huge losses to the livestock industry. Brucellosis attacks humans in acute and chronic forms. They are susceptible through contact with infected animals or the meat of such animals, or through drinking the raw milk of an infected cow or goat. The film shows the nature of the disease as it attacks animals and humans, and recommends four methods for control and eradication of brucellosis. It contains important historical data on the discoverers of brucellosis and the development of vaccines.

**TRIUMPH OF ALEXANDER THE GREAT, THE (YOU ARE THERE) (CBS)**

j-h-c-a 27 minutes B&W: \$5.65  
324 B.C., Alexander the Great suppresses a mutiny among his soldiers in Babylonia by convincing them he is trying to achieve "harmony among all the peoples of the earth."

**TRIUMPH OF LOUIS BRAILLE, THE (YOU ARE THERE) (CBS)**

j-h-c-a 27 minutes B&W: \$5.65  
A new hope for the sightless materializes as the brave, blind Frenchman makes his plea for the adoption of his system of teaching the blind to read.

**TRIUMPH WITHOUT DRUMS (TFC)**

j-h-c 11 minutes B&W: \$2.15  
Reviews the thirty-three-year vigil of Harvey Wiley and his efforts in Congress to secure a Pure Food and Drug Act. By chemical tests and analysis Wiley proves that meats and canned goods must be clean and pure and that sanitation and good health depend upon the pureness of foods. By virtue of a convincing demonstration Wiley secures passage of the law and government supervision of food and drugs. *Restricted to Classroom Use.*

**TROOPING THE COLOUR (BIS)**

i-j-h-c-a 10 minutes Color: \$3.40  
This military ceremony is held annually on the famous Horse Guards Parade. His Majesty the King, Princess Elizabeth and the Duke of Gloucester all take part in this ceremony, which was filmed on the King's birthday, June 9th, 1949.

**TROPICAL AFRICA (JBP)**

general 29 minutes Color: \$8.90  
No area in the world is more in the public eye today than Africa. This documentary film attempts to show the new Africa, a continent in political revolution and undergoing great social change. Primitive society is, of course, portrayed but only as it relates to the new life. The great movement is to the cities, to the new factories and mines. The struggle for self-government, the effort to establish schools, universities and hospitals, all these are shown as well as the rapidly changing relationship between black and white Africa.

**TROPICAL LOWLAND—THE AMAZON RIVER, BRAZIL (UW)**

i-j-h-c-a 21 minutes B&W: \$4.15  
Native families in Brazil in their riverfront homes, engaged in primitive farming and the gathering of forest products, illustrate life in a large, hot humid lowland dominated by forests.

**TROPICAL MOUNTAIN ISLAND—JAVA (UW)**

j-h-a 20 minutes B&W: \$4.15  
To know the people of Java is to know the land and all it has given them. Here is great wealth in oil, rubber, teak, quinine and the soil itself because it is constantly enriched and renewed by volcanic ash. The story is focused upon four men of a train crew. Their route is from coastal plain to mountain slope—from urban to rural scenes—from people employed in industrial activities to simple farmers dependent upon the soil. At the end, you know Java, you understand why fifty million people can earn a living on an island the size of New York State.

**TROUBLE SHOOTING PROBLEMS: FUEL INDUCTION (CAA)**

h-c 16 minutes B&W: \$2.15  
Shows how to find what system of the engine is causing trouble and how to locate the trouble within the system; how to trouble shoot in the fuel system for failure to develop full power, for rough running at idling speed, and for overheating; and how to check engine operation after trouble shooting.

**TROUBLE SHOOTING PROBLEMS: IGNITION (CAA)**

h-c 17 minutes B&W: \$2.15  
Shows how to find what system of the engine is causing trouble; how to locate trouble within the ignition system when an engine fails to start, when it runs rough, and when it fails to develop full power; how to repair and check engine operation after trouble shooting.

**TROUBLE SHOOTING PROBLEMS: MECHANICAL AND LUBRICATION (CAA)**

h-c 10 minutes B&W: \$2.15  
Shows how to find what part of the engine is causing trouble and the importance of checking obvious symptoms when trouble shooting; how to locate and correct causes of mechanical and lubrication trouble when the engine runs rough and when there are low oil pressure and high oil temperature; and the importance of checking engine operation after trouble shooting.

**TROUBLE SHOOTING YOUR CAR (UW)**

h-c-a 10 minutes B&W: \$1.65  
What a driver should do to locate and correct minor car troubles; how to follow an orderly and step-by-step procedure in checking why a car won't start; and how to recognize symptoms of impending trouble.



**TRUCK DRIVER, THE (EB)**

p-i 16 minutes Color: \$5.60  
 Particularly stresses the transportation of goods between cities of a region-of-states community.

**TRUCK FARM, THE (C)**

p-i 11 minutes Color: \$3.40  
 When not in school, Bill and Cathy help with planting, harvesting, and many other jobs on the truck farm. What the farm produces and where its products go are among the many things children will learn about life on a truck farm.

**TRUCK FARMER, THE (EB)**

i-j-h 11 minutes B&W: \$2.15  
 Points out the chief truck farming areas of the United States and gives a detailed picture of the activities on a truck farm in the Rio Grande Delta. Shows the planting, irrigating, spraying, harvesting, packing, and shipping of truck farm crops, and the interdependence of the producer and consumer.

**TRUCK TRANSPORT—ON THE LONG HAUL (A)**

i-j-h 17 minutes B&W: \$3.15  
 Describes the different types of trucks which bring the things we need. Shows how freight is loaded and weighed, and how one trailer truck is fueled for a long distance haul. Also shows how continuous driving, through all kinds of weather and terrain, is carried on by a five-man relay team.

**TRUCKS THAT SERVE OUR CITY (TOM)**

i-j-h 13 minutes B&W: \$2.15  
 Shows how trucks serve a modern city in respect to communication, food supply, sanitation, construction, and as a link between residents and railroads.

**TRUE GLORY, THE (BIS)**

h-c-a 84 minutes B&W: \$12.15  
 A 1945 Academy Award winner. This is the official film document of the European phase of World War II. Sternly pleading for a vigilant peace, an enduring remembrance of the miracles of comradeship and cooperation which war has taught, this film reveals the full meaning of its title only at the very end, when the commentator repeats a prayer by Sir Francis Drake.

**TRUE STORY OF THE CIVIL WAR (McGH)**

h-c-a 33 minutes B&W: \$5.65  
 Winner of the Academy Award for the best short documentary of 1956, this film is the actual record of the crucial Civil War period in our nation's past. Made up mostly of Matthew Brady's original wet plate photographs, it surveys the whole story of the war—its causes, its desperate, bloody battles, its leaders and its effect on the nation.

**TRULY YOURS: THE DRESS THAT FITS (USDA)**

h-c-a 18 minutes B&W: \$2.15, Color: \$2.15  
 Shows the fitting points to check when buying ready-made dresses and alterations that may be done successfully at home. Problems of dress size, cut, and construction are discussed with emphasis on garment alterations. Especially helpful to leaders or teachers of classes in clothing construction and selection.

**TRUMPET, HORN AND TROMBONE (C)**

j-h-c 10 minutes B&W: \$2.35  
 Shows simple, basic techniques—producing notes with the lips only, the function of the valves in the trumpet and horn, and the slide in the trombone. The instruments are demonstrated separately and played together in a fanfare.

**TSCHAIKOWSKY'S FOURTH SYMPHONY (SF)**

j-h-c-a 11 minutes B&W: \$2.15  
 A performance of Tchaikowsky's *Rococo* variations by cellist Leonard Rose.

**TSCHAIKOWSKY'S PIANO CONCERTO IN B FLAT MINOR (CA)**

j-h-c-a 17 minutes B&W: \$3.65  
 The Radio Philharmonic Orchestra of Italy under the direction of Angelo Questa plays the familiar concerto.

**TUBE TESTER OPERATION (RADIO TECHNICIAN TRAINING) (CAA)**

h-c 9 minutes B&W: \$2.15  
 Shows step-by-step how to operate tube testers (Hickok and Supreme Types) in determining conditions of various types of tubes as to "internal shorts," cathode emissions, and dynamic mutual conductance.

**TUBERCULOSIS, ITS DIAGNOSIS, TREATMENT, CONTROL (EB)**

j-h-a 10 minutes B&W: \$2.15  
 Tells the story of a girl who contracts pulmonary tuberculosis. Describes, through animation, the process of primary infection and reinfection. Demonstrates tuberculin tests and X-ray examinations and describes effective hospital treatment, including rest, good food, fresh air, sunshine, and cleanliness.

**TUESDAY IN NOVEMBER (UW)**

j-h-a 18 minutes B&W: \$2.90  
 Portrays the 1944 presidential election from the pre-election nominating conventions, through the party campaigns, to election day in November.

**TUGBOATS (EB)**

p-i 11 minutes B&W: \$2.15  
 In this film the tugboat is followed as it pulls a freighter out of its berth at the dock to begin a long ocean voyage; as it tows a large oil barge across the harbor; and finally, as it joins with a number of other tugs to dock a giant ocean liner.

**TUNISIAN TRAVELS (TFC)**

i-j-h-c 10 minutes B&W: \$1.90  
 There are scenes along the ancient road to Carthage and in the present-day city of Tunis. Old Roman ruins and a native village in the desert are shown. In Tunis the modern buildings are contrasted with native bazaars and the dazzling white of the Arab buildings. *Restricted to Classroom Use.*

**TURBOSUPERCHARGER, THE: FLIGHT OPERATION (CAA)**

c-a 10 minutes B&W: \$2.15  
 Shows the exact procedures recommended for flying personnel in operating the turbosupercharger. Demonstrates the specific things to do in order to obtain best results from the turbosupercharger at take-off, during flight, and when landing.

**TURKEY (MOT)**

j-h-c-a 18 minutes B&W: \$2.90  
 Traces Turkey's history from the days when Constantinople was the capital of the Ottoman Empire to the present-day dictator-like government of Ismet Inonu and the continuing struggle to retain control of the vital Dardanelles. Geography, way of life and relationship to its neighbors are also shown.

**TURKEY, A MIDDLE EAST BRIDGELAND (IFB)**

i-j-h-c 18 minutes Color: \$6.55  
 Modern Turkey as it is seen through the eyes of an American boy who spends a summer with Ahmet Yilmaz and his family. A new Turkey is seen, rich in cultural and historical background yet with modern industrial development, scientific farming and improved use of natural resources. A trip to Izmir, through the Dardanelles and the Bosphorus to Istanbul is the high point of the visit giving the viewer a better understanding of the "crossroads" city between modern present and historic past.

**TURKEY: A STRATEGIC LAND AND ITS PEOPLE (C)**

i-j-h 10 minutes Color: \$3.60  
 The location of Turkey between Asia and Europe and astride Russia's water route to the Black Sea gives it a strategic political importance. The climate and geographic features, natural resources and industries in relation to the Turkish people are depicted. We see the beginnings of Westernization as introduced by Ataturk, and the continuing changes taking place in modern Turkey.

**TURKEY—KEY TO THE MIDDLE EAST (BIS)**

h-c-a 20 minutes B&W: \$3.40  
 Traces the industrial and social development of Turkey during the past 30 years to her position in world affairs. Calls attention to her present high expenditure for defense.



## TURN OF THE CENTURY (20th CENTURY) (CBS-McGH)

j-h-c-a 28 minutes B&W: \$5.35  
Pictures the European world and way of life which was destroyed by the First World War. Shows the personalities and forces which led to that war.

## TURNABOUT MAN, A (JH)

h-c-a 7 minutes B&W: \$2.15  
Sometimes an otherwise considerate man loses his sense of courtesy when he is behind the wheel. Shows how a "boar" in ordinary life becomes a gentleman when he drives. It's all in a dream but the picture shows the importance of courtesy in safe driving.

## TURNING A CYLINDER BETWEEN CENTERS (UW)

h-a 17 minutes B&W: \$2.90  
How to choose and center stock for a job; how to mount stock in the wood lathe for turning between centers; how to select the proper speed; how to select and use cutting tools; how to use the parting tool and the skew chisel; and how to sand turning work.

## TURNING A TAPER WITH THE TAILSTOCK SET OVER (UW)

h 19 minutes B&W: \$2.65  
The film begins with a definition of the word "taper" and mentions some of the many ways in which they are used in machines. Shows how to calculate tailstock offset for cutting tapers; offset the tailstock; and turn a taper with the tailstock set over.

## TURNING RESEARCH INTO POWER (CAT)

c-a 22 minutes B&W: \$2.15  
Shows the new V8-V12 industrial engines (D364, D375, D386, D397). Depicts the long periods of research and development that went into these engines before they were ready for release. Many of the operating and servicing advantages of these engines are illustrated.

## TURNING WORK HELD ON A MANDREL (UW)

h-a 20 minutes B&W: \$2.90  
What a mandrel is; on what type of job it can be used to advantage; how to fit the mandrel into the workpiece; how to mount the mandrel and work between centers; how to protect the mandrel from injury by cutting tools; how to cut a bevel, using the compound rest; and how to calculate speed, feed, and set the controls.

## TURNING WORK OF TWO DIAMETERS (UW)

h-c 11 minutes B&W: \$1.65  
Emphasizes the care and operation of the machine, the necessity for advance planning of the work and the setup for the job. Shows how to use roughing, finishing, facing, and radius tools; rough-turn and finish-turn a workpiece having two diameters; face a workpiece; and machine fillets.

## TURNING WORK ON A FACE PLATE (UW)

h-a 15 minutes B&W: \$2.90  
Shows various types of face plates; how to choose the proper face plate; how to attach the stock to the face plate; how to true up the work; how to scribe the work for inside turning; how to use the round-nose and diamond point chisels; and how to smooth the bottom of the recess.

## TWELFTH NIGHT (ACT II, SCENE V) (UW)

j-h-c-a 13 minutes B&W: \$2.80  
Character studies were one of Shakespeare's fortes. In this scene he skillfully brings out the diverse characters involved. Performed by the Old Vic Repertory Company.

## TWENTY-FOUR HOURS (AFL-CIO)

c-a 37 minutes Color: \$2.15  
Describes the round-the-clock activities of a typical business agent of the Amalgamated Meat Cutters union and shows the strength of the international union and its concern with the welfare of its members as human beings both on and off the job.

## '29 BOOM AND 30'S DEPRESSION (McGH)

h-c-a 14 minutes B&W: \$3.10  
A particularly vivid re-creation of a crucial period in American history. The prosperity and boom of the 20's is examined with special attention to the factors which would later lead to the

depression. The depth of the resulting depression is measured both factually and emotionally. Specific government legislation and regulation to end the depression and to build controls and resiliency into our economy which would help prevent future depressions are detailed.

## TWISTED CROSS, THE (McGH)

h-c-a 55 minutes B&W: \$9.15  
The story of Adolph Hitler and the Nazi movement, re-created almost entirely through hitherto-impounded German news film, serves as a concrete illustration of a general theme—the rise and fall of a dictator. From Hitler's lowly beginnings in 1923, to his lofty days as conqueror of the European mainland and, ultimately, his defeat and suicide, the film traces in dramatic detail one of the most incredible phenomena of the 20th century.

## TWO DECADES OF HISTORY (TFC)

j-h-c-a 22 minutes B&W: \$3.15  
Presents newsreel sequences of events during 1927-1947—the inauguration of F. D. Roosevelt, the development of the New Deal, the growing threat and eventual outbreak of World War II, America's mobilization toward the great struggle and eventual peace, and other events of that time. *Restricted to Classroom Use.*

## 225,000 MILE PROVING GROUND (AAR)

h-c-a 19 minutes Color: \$2.15  
Features modern railroading with its electronic traffic control devices. Shows what happens in the central research laboratories in Chicago where engines, cars, and equipment are put through their paces in safety and endurance tests.

## TWO LITTLE PUPS (COF)

p 5 minutes Color: \$2.15  
The hen is led a merry chase by the rollicking pups, but she contributes her "peck of fun."

## TWO LITTLE RACCOONS (YA)

p 10 minutes B&W: \$2.15  
Two little raccoons tell about their daily life and the trouble they get into. They are looking for food in the forest when they notice that the farmer who lives nearby is leaving. They go to the house and get into mischief until Bobby and Jane, the farmer's children, come back and catch them. The raccoons leave, vowing to stay in the woods where they belong.

## TWO MILLION ROOMS (McGH)

h-c-a 17 minutes B&W: \$3.90  
Depending for its existence on service and catering to the whims and fancies of the traveling public, the hotel business now rates as the seventh largest American industry with a capital investment of five billion dollars. Illustrates the inner workings and intricacies of hotel operation and management.

## TWO-PART SINGING (JHP)

i-j-h 18 minutes B&W: \$4.15  
A class returns from recess to a lesson in music. They first warm up by singing an alto part to a familiar *round* and the teacher then leads them in two-part singing.

## TWO VIEWS ON SOCIALISM (C)

j-h-c-a 14 minutes B&W: \$3.90  
The aims of socialism and charges levelled by socialists against capitalism are presented to stimulate an intelligent discussion. Standards of living, freedom of choice, and individual opportunity under socialism are compared to the capitalistic society.

## TWO WAY STREET (OWI)

general 8 minutes B&W: \$2.15  
This film gives an account of how lend-lease worked for the benefit of all the United Nations from the time it started to the present.

## TWO WORLDS OF FRANCE: PARIS AND THE FRANCE BEYOND (MOT)

j-h-c-a 26 minutes B&W: \$4.90  
A tour of France presenting the landmarks and highlights of life in Paris and the scenic beauty and traditional way of life in the Dorgogne Valley. Shows rural Frenchmen using primitive methods to bake, wash clothes, and make wooden shoes. Includes scenes of peasant dances performed during the celebration which follows a wedding ceremony.



**TWO YEARS BEFORE THE MAST (TFC)**

h-c-a 20 minutes B&amp;W: \$3.65

An excerpt from the feature film produced by Paramount Pictures, based on the book of the same title. *Restricted to Classroom Use.*

**TYPE RIGHT (TAE)**

j-h-c-a 10 minutes B&amp;W: \$2.15

Correct finger position and typing strokes are demonstrated by Bryce Sardiga, a champion typist.

**TYPEWRITER IN BUSINESS, THE (RR)**

h-c 21 minutes B&amp;W: \$2.15

This film describes various types of modern typewriters for modern business. Three main types are discussed: Manual, Electric, and Noiseless. Different kinds of type are shown. Automatic typewriters are also presented.

**TYPICAL GARDEN SPIDER, A (C)**

i-j 8 minutes B&amp;W: \$1.90

A study of the life cycle of the garden spider. Demonstrates the phases of life and illustrates the physical structure of each stage. Shows the various activities of the spider such as spinning a web, trapping and paralyzing its victims, and encasing them in cocoons.

**TYPICAL LESSON: SHORTHAND (McGH)**

h-c-a 17 minutes B&amp;W: \$3.65

This is a teacher training film for shorthand instructors in which Charles E. Zoubek demonstrates teaching procedures for new theory, homework, diction and drill. The procedures demonstrated may be used throughout the theory course.

**U.S.A. (PAA)**

j-h-c-a 42 minutes Color: \$9.15

The striking beauty of the United States is revealed in this colorful tour of great scenic areas of the nation.

**U-238 RADIOACTIVE SERIES (McGH)**

c-a 9 minutes B&amp;W: \$2.15

Traces the various stages in the decay of U-238 to stable lead. Alpha emission, beta emission, and the statistical nature of the process are emphasized. A brief mention is made of other radioactive series.

**UGLY DUCKLING, THE (C)**

p-i 11 minutes Color: \$3.40

Another adaptation of the Hans Christian Andersen fairy tale. Filmed in Europe, the film takes on richness and beauty from authentic settings as we follow the misfortunes of an unwanted ugly duckling who grows into a beautiful swan.

**UGLY DUCKLING (EB)**

p-i 11 minutes Color: \$3.40

Hans Christian Andersen's fairy tale concerns the adventures of a little swan who is raised with a brood of ducklings, but is rejected by all because he does not conform to the appearance of a duck. Finally, the ugly duckling discovers his true place as a swan of beauty and dignity.

**UN PORT DE COMMERCE (FRENCH TEACHING SERIES) (IFB)**

h-c-a 18 minutes B&amp;W: \$3.15

A 2nd-year French language film showing the port of Le Havre and methods used in modern ports as compared to an African port without docks. Shows the liner Ile de France.

**UN PUEBLO DE ESPAÑA (CW)**

h-c 10 minutes B&amp;W: \$2.15

A Spanish-language film of life in the town of Mijas in southern Spain. The film is narrated slowly and clearly by an authentic native voice, and the sound track is paced slowly with planned repetition of words and many silent spaces so the beginning student of Spanish can follow and understand. Simple vocabulary.

**UN VIAJE A MEJICO (EB)**

j-h-c 11 minutes Color: \$3.40

A cross-section of Mexican family life at home and in recreation, in city and country, as seen through the eyes of both the Mexican children and their guests from the United States. A simple, slow-paced Spanish language film designed for first and second year Spanish students. English version available under the title AIRPLANE TRIP TO MEXICO.

**UNA FAMILIA DE UN PUEBLO MEXICANO (PHP)**

i-j-h 17 minutes Color: \$5.65

The authentic Spanish spoken by the narrator is neither too slow nor so fast as to offer difficulty to students who expect to comprehend spoken Spanish. Helpful in providing information about the land, language, and people of Mexico, these films will give enjoyable listening experiences for pupils.

**UNA HACIENDA CHILENA (IFB)**

j-h-c 11 minutes Color: \$3.80

In Chile the rural property is often called *fundo*. It has some traits in common with the Mexican hacienda, but has many typically Chilean features—such as the *corrida de animales*—which are shown in this film. Suitable for intermediate classes in Spanish.

**UNA HACIENDA MEXICANA (IFB)**

j-h-c 12 minutes Color: \$3.80

Gives a glimpse of traditional rural life—the simple communal life of the hacienda. The film is suitable for Spanish students at the intermediate level.

**UNDER SOUTHERN STARS (TFC)**

j-h-c 17 minutes Color: \$3.65

A fictional account of the Civil War battle of Chancellorsville and the events preceding it on the Confederate side. Portrays the characters of Stonewall Jackson and Robert E. Lee. *Restricted to Classroom Use.*

**UNDERSTAND YOUR EMOTIONS (C)**

j-h-c-a 14 minutes B&amp;W: \$2.65

A general understanding of what emotions are, where they come from, and how they are changed is developed. Shows that emotions have many effects on the body, both on voluntary and involuntary behavior, and that people have different emotional responses to the same stimulus pattern.

**UNDERSTANDING A MAP (YA)**

i-j 10 minutes B&amp;W: \$2.15

Models and animation are combined to show what a map is and how we learn to read it. Discusses political and pictorial maps and also map scales.

**UNDERSTANDING BASKETBALL (YA)**

i-j-h 9 minutes B&amp;W: \$2.15

Two teams demonstrate as a basketball coach explains the basic rules and play of the game, including such things as scoring, fouls, out-of-bounds, and jump ball. He also points out the common rules of courtesy to be followed by spectators.

**UNDERSTANDING CHILDREN'S PLAY (NYU)**

c-a 11 minutes B&amp;W: \$2.95

Shows how adults can more effectively understand and guide the play of children, through observation of their uses of toys and other play materials.

**UNDERSTANDING FIRE (EXPLORING SCIENCE) (C)**

p-i 9 minutes Color: \$3.60

Billy learns about fire—its uses and characteristics. He realizes that the more control we have over fire, the more useful it can be and remembering certain school experiments, he begins to develop a basic understanding of fire's three requirements—oxygen, fuel, and heat.

**UNDERSTANDING MATTER AND ENERGY (IFB)**

j-h 18 minutes Color: \$6.35

Ice cubes, water and teakettle steam; baking soda, vinegar and a wax candle—simple household items—help a boy discover the characteristics of matter in its solid, liquid and gaseous states. The film proceeds to show the various kinds of energy: chemical, mechanical, heat, light, and electrical. The sun is compared with the energy we are obtaining through our growing knowledge of the atomic structure.

**UNDERSTANDING MOVIES (TFC)**

j-h-c-a 15 minutes B&amp;W: \$2.15

Intended to increase critical enjoyment of motion pictures. Successive sequences illustrate excellence in directing, acting, photography, editing, and art and music. *Restricted to Classroom Use.*

**UNDERSTANDING NUMBERS #1: EARLIEST NUMBERS (IU)**

j-h-c-a 30 minutes B&amp;W: \$5.15

Shows man's first effort to count with symbols, and demonstrates how Egyptian and Babylonian mathematics have con-



tributed to our present number system. Stresses this contribution in terms of the essential elements of a modern numeration system: base, place, symbols, zero, and decimal point.

## **UNDERSTANDING NUMBERS #2: BASE AND PLACE (IU)**

j-h-c-a 30 minutes B&W: \$5.15

Presents the characteristics, history, and applications of the binary system. Emphasizes the basic principles of base and place in our system of numeration. Shows how numbers are represented in the binary system, its relationship to electronic digital computers, and how business applies the binary system.

## **UNDERSTANDING NUMBERS #3: BIG NUMBERS (IU)**

j-h-c-a 30 minutes B&W: \$5.15

Shows how scientists and mathematicians write and use very large and very small numbers. Stresses the meaning and importance of exponents and powers, and shows some of their uses. Explains negative exponents and shows how very small numbers are written and used.

## **UNDERSTANDING NUMBERS #4: FUNDAMENTAL OPERATIONS (IU)**

j-h-c-a 30 minutes B&W: \$5.15

Analyzes modular arithmetic as an aid in understanding the principles of our own, or rational arithmetic. Through arithmetic modulo five, shows the closure, commutative, and identity element principles of rational arithmetic. Shows that the two fundamental operations are addition and multiplication.

## **UNDERSTANDING NUMBERS #5: SHORT CUTS (IU)**

j-h-c-a 30 minutes B&W: \$5.15

Explains the slide rule, and other methods for simplifying computation. Through the use of models and charts, presents finger multiplication, the lightning or cross method of multiplication, and Napier's bones. Explains the application of logarithms, and shows how a log table is constructed and used.

## **UNDERSTANDING NUMBERS #6: FRACTIONS (IU)**

j-h-c-a 30 minutes B&W: \$5.15

Presents the history of fractions. Indicates the derivation of the words fraction, numerator, and denominator. Sketches the basic principles governing the use of fractions, and shows that a fraction has five meanings. Compares the properties of rational, decimal and duo-decimal fractions.

## **UNDERSTANDING NUMBERS #7: NEW NUMBERS (IU)**

j-h-c-a 30 minutes B&W: \$5.15

Explains new and important number concepts in modern mathematics. Indicates the pattern of how new numbers arise. Presents some of the history, characteristics, and uses of negative, irrational, transfinite, and complex numbers as well as quaternions.

## **UNDERSTANDING OUR EARTH: GLACIERS (C)**

i-j-h 10 minutes B&W: \$2.15, Color: \$3.40

Glaciers from Alaska, the United States, Canada, and Europe show the different kinds and how they are formed. The formation of icebergs, and the significance and impact of glaciers during the ice age is discovered. Evidences of glaciation are seen in glacier lakes in the Rocky Mountains, soil in the Middle West, glacial drift in New England, and the Matterhorn Peak in the Swiss Alps.

## **UNDERSTANDING OUR EARTH: HOW ITS SURFACE CHANGES (C)**

i-j 10 minutes Color: \$3.40

Acquaints students with the forces which build up and wear away the earth's surface over long periods of time. Scenes of wind and water at work, volcanic eruption and lava flow, and geologic evidence offered by various formations reinforce the key concepts of the film.

## **UNDERSTANDING OUR EARTH: ROCKS AND MINERALS (C)**

i-j 11 minutes Color: \$3.40

The three types of rocks—igneous, sedimentary, and metamorphic—are related to the natural conditions that produced them. Explains the various uses of rocks and minerals in their natural state—basalt, pumice, granite, limestone, sandstone, and marble.

## **UNDERSTANDING OUR EARTH: SOIL (C)**

i-j 11 minutes B&W: \$2.15, Color: \$3.40

An explanation of the soil profile including topsoil, subsoil, base rock, and bedrock; plus a visual breakdown of the elements of soil. The methods of conservation, the process of soil making, and the types of soil throughout the United States are shown.

## **UNDERSTANDING OUR UNIVERSE (C)**

i-j-h 10 minutes Color: \$3.40

How man has learned about the universe from ancient times until the present day is vividly demonstrated by this film. Discusses some of our growing knowledge of the universe—the solar system, Milky Way, and countless other galaxies and nebulae that extend millions of light years into space.

## **UNDERSTANDING SOLIDS IN GEOMETRY (TUNBO)**

h-c-a 17 minutes B&W: \$4.15

Solid geometry is reviewed in the opening part; however, a new device for construction of geometric figures is introduced. The importance of geometry to industry and society in general completes the treatment of the subject.

## **UNDERSTANDING THE DOLLAR (C)**

h 10 minutes B&W: \$2.15

Examines various types of income, studies the essential purposes of money as a medium of exchange, and analyzes factors which influence the real value of the dollar. Shows how the changing value of a dollar affects the lives of people with various sources of income.

## **UNDERSTANDING THE LAW (EB)**

h-c-a 12 minutes B&W: \$3.15

Illustrates step-by-step functions in due process of law with a series of dramatic sequences in actual courtrooms, featuring a criminal trial by jury. The main theme suggests that sometimes individuals need to be protected from the law, and sometimes they need protection by the law.

## **UNDERSTANDING VITAMINS (EB)**

h-c-a 14 minutes Color: \$5.15

Graphically explains what vitamins are, how they work, and why they are necessary for good health. Points out natural sources of important vitamins and reveals the effects on body tissues of a diet lacking in certain vitamins. Re-creates major events in the discovery of vitamins and calls attention to present-day research.

## **UNDERSTANDING YOUR IDEALS (C)**

j-h 12 minutes B&W: \$3.25

What are ideals? Why are they so important to well-being and happiness? What is their relation with character-building? These and other questions about ideals are answered in this film. A high school boy who has false conceptions of ideals finds the right objectives and goals.

## **UNDERWATER ADVENTURE (SF)**

j-h-c-a 9 minutes B&W: \$1.65

Marineland, Florida, is a home for fish and sea animals in captivity. Shows the characteristic behavior of the shark, the spider crab, the porpoise, the pilot fish and other interesting sea animals. The cormorant bird which chases fish under water adds an interesting touch to undersea life.

## **UNE FAMILLE BRETONNE (EB)**

j-h 11 minutes B&W: \$2.15

This is the story of the film, FRENCH CHILDREN, told in simple French by a teacher-narrator, born in France. In the present tense and avoiding all subjunctives, the narration is leveled at the needs of beginners. The film portrays family life on a farm in Brittany.

## **UNEMPLOYMENT (FILM #5) (USWA)**

c-a 15 minutes B&W: \$2.15

This film is a United Steelworkers of America 15-minute television program on various aspects of the union's politics and attitudes toward public affairs.

## **UNFINISHED RAINBOWS (ALCOA)**

j-h-c-a 36 minutes Color: \$2.15

The aluminum industry is traced from the time of Napoleon III to the present. Includes Napoleon's interest, the pioneer work of Charles Martin Hall, the role of the Pittsburgh Reduction Company in its development, and the initiation of modern aluminum industries.



**UNFINISHED SYMPHONY (SF)**

j-h-c-a 11 minutes B&W: \$2.15  
The first Movement of Schubert's symphony, played by the Vienna Philharmonic Orchestra, with Joseph Krips conducting.

**UNIFORM CIRCULAR MOTION: PHYSICS SERIES (McGH)**

c 7 minutes B&W: \$2.15  
This film defines and demonstrates uniform circular motion. The expression for the magnitude of centripetal acceleration is explained in general and illustrated in connection with a body whirling on a string, facets of gravitational attraction, and the influence of magnetic fields on the motion of electrically charged particles.

**UNION AND THE COMMUNITY (UW)**

h-c-a 18 minutes B&W: \$2.65  
Shows the development and cooperation between a Union Council and the community of Chester, Pennsylvania. The role of the Union Council was to help develop social agencies needed by the community.

**UNION AT WORK (CIO)**

h-c-a 22 minutes B&W: \$3.35  
The story of how a union works to give everyone a better understanding of the U.S. labor movement. Tells the aims, achievements and activities of a modern labor union, including who is in it, what it does for membership, and how it does it.

**UNION IN THE MILL (AFL)**

h-c-a 21 minutes B&W: \$3.15  
A series of arbitrary management decisions at the Avon Paper Company sets off a union organizing campaign among the paper mill workers. They form a committee, win a government election, and prepare their case for a collective bargaining agreement.

**UNION LOCAL (UW)**

c-a 27 minutes B&W: \$3.65  
Presents a dramatized story of how a machinist's union presents its problems to management and how agreements are reached through discussion. Explains how union officers are elected, their responsibility to union members, and their function in labor-management meetings.

**UNION OF SOUTH AFRICA, THE (ITS LAND AND ITS PEOPLE) (EB)**

general 17 minutes Color: \$5.65  
Makes a comparison of three ways of life in the Union of South Africa: that of the native tribes still living in primitive fashion on the reserves; that of the Boer farms on which the natives have begun to assimilate white culture; and that of the mining communities and cities in which natives are in the process of adopting white culture. Within these culture patterns, the film describes the topography, climate, resources, and products of the region.

**UNIQUE CONTRIBUTION, THE (EB)**

c-a 33 minutes Color: \$6.90  
Gives a comprehensive coverage of the various types of educational films in use in the modern classroom along with examples and discussion of the cinematic devices that contribute to making the carefully researched and expertly produced film a truly unique contribution to modern education. The sincere intent of the production is effectively conveyed by the narration done by Maurice B. Mitchell, EBF President, teacher, lecturer, and one of the most active workers in the developing of educational legislation.

**UNITED ACTION FOR VICTORY (UAW-CIO)**

h-c-a 39 minutes B&W: \$2.15  
United Auto Workers, one of the largest trade unions, organized itself within the General Motors Corporation. This dramatic presentation includes the strike against the company in 1939 and its effect on the workers. Objectives and problems of the union are given consideration in this union analysis.

**UNITED NATIONS AND WORLD DISPUTES, THE (UW)**

h-c-a 22 minutes B&W: \$3.15  
Reviews four major disputes that since 1945 have threatened world peace—Indonesia, Palestine, India, and Korea—and demonstrates how the UN worked toward resolving each one.

**UNITED NATIONS AT WORK (UNFD)**

h-c-a 20 minutes B&W: \$3.65  
International Children's Emergency Fund is an agency of the United Nations. The birth and workings of this organization are clarified to promote a better understanding of its significance to the world.

**UNITED NATIONS, NEW YORK (POSTAGE STAMP) (UNFD)**

j-h-c-a 14 minutes B&W: \$3.15  
To promote the cause of world peace, the United Nations designed and manufactured a postage stamp for use by all countries of the world.

**UNITED STATES (BIS)**

j-h-c-a 42 minutes B&W: \$6.65  
Made by the British Army film unit for the purpose of presenting the U.S.A. to the armed forces of Britain, this is a valuable film for American history classes. Traces the history of the U.S. from landing of the Pilgrims on Plymouth Rock to the present. Shows American traditions and characteristics.

**U.S. COMMUNITY AND ITS CITIZENS, A (UW)**

j-h-c 21 minutes B&W: \$3.15  
The fact that all of man's needs cannot be satisfied directly from the earth and that to supply many of these needs, people live together in communities are lucidly portrayed in this film. In a community which has thousands of counterparts throughout this country and many parts of the world, we see the actual functioning of community life and services as we spend a day with a group of school children who are making a survey of their town as a school project.

**UNITED STATES CUSTOMS SAFEGUARD OUR FOREIGN TRADE (F)**

h-c-a 16 minutes Color: \$4.65  
Men of the U.S. Customs Service safeguard our foreign trade. They are seen at work on the Canadian Border, the Mexican Border, and the eastern and western harbors of the United States.

**UNITED STATES EXPANSION: FLORIDA (C)**

j-h-c 14 minutes Color: \$4.50  
Summarizing the history of Florida from its discovery through its acquisition by the United States, the film shows how geography influenced the region's early history. The Spanish missionary period, the era of the English plantation system, the second Spanish period, and the events that led to its becoming part of the United States are given meaning through re-enactments on the original sites.

**UNITED STATES EXPANSION: THE LOUISIANA PURCHASE (C)**

j-h-c 13 minutes Color: \$4.50  
The Louisiana Purchase is recalled through scenes depicting the territory's history in relation to westward expansion. The background of the territory's purchase and its exploration, settlement, and importance to the United States are stressed. Re-enactments, map animation, and authentic sites re-create this major episode in American history.

**UNITED STATES EXPANSION: THE NORTHWEST TERRITORY (C)**

j-h-c 13 minutes Color: \$4.50  
Events leading to the opening of the Northwest Territory for large-scale settlement. The men and work of the Ohio Company of Associates, the ordinances which provided for the territory's administration, and the pattern of statehood established at this time are included in this accurate and stimulating presentation.

**UNITED STATES EXPANSION OVERSEAS (1893-1917) (C)**

j-h-c 15 minutes Color: \$4.50  
Reviews U.S. expansion into the Hawaiian Islands, Cuba, the Philippines, and countries of Central America. The changing policy from isolationism toward becoming a world power during the terms of Cleveland, McKinley, and T. Roosevelt is emphasized as well as the problems of expansion and its long-range results.

**UNITED STATES EXPANSION: SETTLING THE WEST (C)**

j-h 13½ minutes Color: \$4.50  
In the period between 1853 and 1890 the largest frontier region of the West was settled. Tracing this settlement of



the area which extended westward from Iowa and Missouri to the mountain ranges of California and Oregon, we see the frontier developed by the early miners and cattle ranchers, and later by the farmers and homesteaders. The period is visualized through re-enactments on original locations.

#### **UNITED STATES EXPANSION: TEXAS AND THE FAR SOUTHWEST (C)**

**j-h-c** 14 minutes Color: \$4.50  
The development of this vast area is traced from early Spanish explorations through important events such as the Texas Revolution, the Mexican War, the admission of Texas as a state, and the opening of the Far Southwest to American immigration and settlement.

#### **UNITED STATES EXPANSION: THE OREGON COUNTRY (C)**

**j-h-c** 14 minutes Color: \$4.50  
Capturing the wealth and promise of the Oregon Country that attracted traders, missionaries, and settlers, the film surveys key events in the history of the region. Among these are the Lewis and Clark expedition, the subsequent westward movement, the rivalry of British and American interests and the acquisition of the Oregon Territory.

#### **U.S. NEWS REVIEW—NO. II (OWI)**

**j-h-c** 21 minutes B&W: \$2.15  
Covers the five following subjects: unnecessary travel, mobile laundry for front line troops, Alcan Highway, jungle fighting, and the Marine Hymn.

#### **U.S. NEWS REVIEW—NO. III (OWI)**

**j-h-c** 19 minutes B&W: \$2.15  
Covers the following six subjects: a plywood bomber, fixit, a report from New Guinea, Liberators blast Naples, a letter from Hocking, and United States Coast Guard Song.

#### **U.S. NEWS REVIEW—NO. IV (OWI)**

**j-h-c** 19 minutes B&W: \$2.15  
Contains the following stories: the raider of Timor, army salvage, we guard Britain's books, good news from the fishing front, battle in the Caucasus, the "thingummybob."

#### **U.S. NEWS REVIEW—NO. V (OWI)**

**h-c** 16 minutes B&W: \$2.15  
This series includes the latest safety styles, care of children, a 1000-plane raid, an absenteeism cartoon and the Air Corps Song.

#### **UNITED STATES TREASURY (TFC)**

**h-c-a** 11 minutes B&W: \$2.15  
A guided tour takes the viewer through the various departments of the United States Treasury. The making of paper money and the handling of old money returned to the Bureau of Engraving and Printing round out the story of the U.S. Treasury activities. *Restricted to Classroom Use.*

#### **UNITY OF PERSONALITY (SILENT) (PSU)**

**c-a** 12 minutes B&W: \$2.15  
Consistency of expressive movements are shown for each of five individuals with very different personalities. Subjects are filmed, in part, without their knowledge, and behavior is spontaneous and characteristic. Expressive behavior patterns shown include gestures, facial movements (also split portraits), handwriting, responses to stimulus words and questions, handling objects, athletic activities, and walking gaits. Demonstrations show similarities of expressive behavior characteristics which relate to "unity of personality."

#### **UNIVERSE (NFBC)**

**h-c-a** 28 minutes B&W: \$5.25  
Shows the relationship of all the planets to our sun, our sun in relationship to the Milky Way, and our galaxy in relationship to other galaxies. Gives visual meaning to the vast distances of space.

#### **UNIVERSITY SECRETARY (UM)**

**h-c-a** 30 minutes B&W: \$4.85  
Shows the special problems of a university secretary. Betty, a secretary in the Chemistry Department, compares her first few weeks on the job with the way she performs her duties after a year. She learned that scheduling of work, orderliness, courtesy, and keeping information readily available were essential in performing her duties as a university secretary.

#### **UNLOCKING THE ATOM (UW)**

**h-c-a** 17 minutes B&W: \$4.15  
Explains the principles on which the theory of atomic energy is based and describes the works of leading scientists in the research field. Pictures the destructive and constructive uses of atomic energy and mentions the social implications.

#### **UNSEEN HORIZONS (OOC)**

**h-c-a** 32 minutes Color \$2.15  
Petroleum is analyzed from angles of production, refining, transportation, and marketing. It attempts to give a clear view of the immense problems attributed to the petroleum industry.

#### **UNSERE STRASSE (IFB)**

**h-c** 20 minutes B&W: \$3.80  
A German-language film which deals with the problem of persuading the city council of a German town to vote funds for the construction of a street to a section where new houses have been built. Various objects—trucks, streets, equipment—are highlighted and German words for them are emphasized. Suitable for second-year classes.

#### **URANIUM PROSPECTING (THE SEARCH) (CBS)**

**c-a** 27 minutes B&W: \$5.65  
Prospectors explain how they hunt uranium with Geiger counters and how claims are staked out and recorded. Follows one claim through the various processes including an assay of the mineral sample. Interview with Vernon Pick, who struck it rich.

#### **URUGUAY (OIAA)**

**general** 18 minutes B&W: \$2.65  
A pictorial journey to the comparatively prosperous little country of Uruguay which in many ways resembles the United States in its liberal, independent, and advanced social and political life. This film indicates the relative ease, wealth, and contentment of its people, as well as the agricultural and economic basis of the country's good fortune.

#### **USE AND CARE OF HAND FILES (JH)**

**h-c-a** 17 minutes B&W: \$3.15  
Various parts of a hand file are identified as well as specific types of commonly used files. Instructions are given on the proper use and care of hand files.

#### **USE OF AIRCRAFT FOR INSECT CONTROL—PART I: MOSQUITO CONTROL (CAA)**

**j-h-c** 11 minutes B&W: \$2.15  
Shows how the airplane has been effectively used for mosquito control in the Tennessee River area. Illustrates two common types of airplane installations for this type of work and then proceeds to demonstrate proper operational techniques devised for thermal aerosol spraying.

#### **USE OF FORESTS (C)**

**i-j** 11 minutes B&W: \$2.15  
A fishing pole, the daily newspaper, maple syrup, and a rayon dress—all come from wood. Few people actually realize the myriad uses of our forests. In this film the great forest areas of the country are shown with the various types of trees, and the various uses of wood and wood products are pointed out.

#### **USE OF OXYGEN IN AVIATION (CAA)**

**h-c-a** 21 minutes B&W: \$2.15  
This film tells the aviator or crew member when, where, how, and why oxygen is used. It illustrates the various types of oxygen equipment and relates the care needed to care for the equipment. The importance of equipment that can save lives is emphasized.

#### **USE OF THE MICROSCOPE (SFC)**

**j-h-c** 21 minutes Color: \$6.15  
Correct use of the microscope as a precision optical instrument is suggested to the laboratory student. It explains how the student can obtain the fullest value from microscopic study.

#### **USING THE CARBON PACK (BEF)**

**j-h-c-a** 11 minutes B&W: \$2.25  
Demonstrates many little-known points for shortcuts to rapid manifold and carbon uses while typewriting.



**USING THE BANK (EB)**

j-h 10 minutes B&W: \$2.15  
Explains the various functions and services of a bank. Describes how a savings account works; demonstrates how banks lend money; explains how a checking account functions; traces a check on its rounds; and reveals the bank in its role as a convenient source of ready cash for its depositors.

**USING THE CLASSROOM FILM (EB)**

general 22 minutes B&W: \$4.15  
Demonstrates an approved procedure for teaching with motion pictures. Follows a teacher as he selects and previews the film, as he prepares the film lesson, and as he guides classroom discussion before and after showing the film *Wheat Farmer*. A stimulating portrayal of basic techniques and possibilities of teaching with films.

**USING THE LABORATORY (CHEMISTRY AND PHYSICS) (C)**

j-h-c 11 minutes B&W: \$2.25  
This film shows scientific techniques and attitudes as well as safety practices, as a high school student investigates and solves a problem. In performing a gas generating experiment, he puts together and demonstrates the use of common laboratory equipment.

**USING THE SCIENTIFIC METHOD (C)**

j-h 11 minutes B&W: \$2.15  
Presents the scientific method in the context of an everyday problem. Begins with the definition of the problem and shows the steps in the procedure, through collection of information, formation of a hypothesis, and the experimental testing of the hypothesis to retesting of the results obtained. The attitudes necessary for successful work with the scientific method—objectivity and precision—are also stressed.

**USING VISUAL AIDS IN TRAINING (UW)**

c-a 11 minutes B&W: \$2.65  
An instructor, teaching his class the use of the micrometer, follows a carefully planned procedure involving the use of a training motion picture, a coordinated filmstrip, and an instructor's manual.

**UTAH (THIS LAND OF OURS SERIES) (IFI)**

i-j-h 9 minutes Color: \$2.70  
Emphasis on Salt Lake City and industries of the state—dairying, ranching, salt and copper mining.

**VHF AIRBORNE RADIO SET SCR-522 (CAA)**

c 22 minutes B&W: \$2.15  
Inspection and checking of airplane transmitting and receiving sets both in plane and repair shop.

**V-J DAY (YOU ARE THERE) (CBS)**

j-h-c-a 27 minutes B&W: \$5.65  
On V-J Day we find the unrestrained joy of a nation and people all over the world in recognition of the end to a bitter and tragic war. Now after many struggling years the free people and those of the defeated nations can live without fear of death.

**VACANCES EN NORMANDIE (EB)**

j-h 10 minutes Color: \$3.40  
Tells of a trip into Normandy with the Latour family, narrated in beginning French. The family watches a local celebration and joins in the dancing, and visits a small fishing port. At the grandparent's farm they are joined by Uncle Jacques who tells them about the many French products that French ships carry all over the world. The family returns to Paris and we see some of the famous monuments of Paris.

**VACUUM PRACTICE (ADVANCED SCIENCE SERIES) (McGH)**

c-a 15 minutes B&W: \$3.65  
Explains the production and measurement of a vacuum.

**VACUUM TUBES: ELECTRON THEORY AND THE DIODE TUBE (UW)**

h-c-a 17 minutes B&W: \$2.65  
Explains electron behavior in matter, electron sources in vacuum tubes, symbols of tubes, functioning of tubes in a circuit, effect of plate voltage changes, space charge, and diode and duodiode as reflectors.

**VACUUM TUBES IN RADIO (EB)**

j-h 10 minutes B&W: \$2.15  
Animated drawings show the operation of a vacuum tube. In the radio the vacuum tube is used as an amplifier to operate the loudspeaker, as a rectifier in detection, and as an oscillator in the transmission station to produce the carrier wave. These three functions are carefully explained.

**VALLEY FORGE (McGH)**

j-h 15 minutes B&W: \$3.15  
A fateful meeting of George Washington and his staff at Valley Forge at Christmastime, 1777, is re-created in period costume and set. The decision to fight on or to disband is in the balance. Washington clarifies the issues at stake and makes his resolution not to disband. States why this country fought the Revolutionary War.

**VALLEY OF THE TENNESSEE (UW)**

h-c-a 29 minutes B&W: \$3.65  
Agricultural methods in the Tennessee Valley have changed due to flood control. The illustrations refer to the changes in the people themselves. Flood control brought in new practices, but made the land more suitable for living.

**VAMOS A COLOMBIA (IFB)**

h-c 10 minutes Color: \$3.40  
Shows the important cities and the most important geographical features of Colombia, the only South American country with coasts on both oceans. The Spanish sentence structure of the narration is simple. The paragraphs, although forming a logical unit, are made up of short, easy sentences the student can master. Although intended for intermediate Spanish students, the film will offer many interesting facts to the advanced student.

**VAMOS A CUBA (IFB)**

j-h-c 12 minutes Color: \$3.80  
Simple, direct and natural Spanish describes manifold aspects of Cuban life: modern cities, historical landmarks, natural vegetation, important crops, schools, cathedrals, and public buildings. Gives a glimpse of present-day Cuba to intermediate Spanish classes.

**VAMOS A GUATEMALA (IFB)**

h-c-a 22 minutes Color: \$7.05  
Modern life in Guatemala from the market place to the finest residential areas is shown, and high points of Guatemalan history are indicated. Narration is in simple, direct, clearly enunciated Spanish, whose structure will be easily mastered by intermediate and advanced students.

**VAMOS A LIMA (IFB)**

h-c 11 minutes Color: \$3.40  
Actual documents and maps of the original city plan by Francisco Pizarro trace the history of the founding of Lima. The film touches upon the importance of Lima's port city, Callao. Includes architecture, recreational opportunities, and the life and work patterns of its population as affected by the four seasons. Spanish narration.

**VAMOS AL PERU (IFB)**

h-c 10 minutes Color: \$3.25  
Peru is shown in relation to the other countries of the Western Hemisphere, with special emphasis on three physical areas: the coastal desert; mountainous area or Sierras; and the jungle area of the Upper Amazon Basin. The effect of the Humboldt Current on its climate is noted. The blending of ancient, colonial and modern contributions to life in Peru is pointed out. Spanish narration.

**VAN GOGH: DARKNESS INTO LIGHT (McGH)**

i-j-h-c-a 22 minutes Color: \$4.65  
Depiction of the life and work of Vincent van Gogh in scenes drawn from the feature picture "Lust for Life." Shot in Holland, France, and Belgium, the film includes some of Van Gogh's most famed canvases.

**VANDALISM (SD)**

j-h-c-a 11 minutes B&W: \$2.15  
Vandalism begins when two boys engage in simple pranks. Gradually they break into more serious law violations. Indicates there is a step-by-step process in becoming a law violator, but it starts early in life.



**VECTORS (RADIO TECHNICIAN TRAINING) (CAA)**

**h-c** 11 minutes **B&W: \$2.15**  
 Vectors, changes in angle or magnitude, how vectors are plotted, and how the resultant is found are demonstrated.

**VEGETABLE INSECTS (IFB)**

**general** 22 minutes **Color: \$5.65**  
 Several vegetable insects are studied according to their life cycle as well as measures for their control. Among the garden pests shown are the potato beetles, caterpillars, aphids, cutworms, squash bugs, corn ear worms, and root maggots. Close-up shots reveal not only their eating habits, but also their striking color and markings. In each case, the characteristics that make the insect destructive and those that render it vulnerable are emphasized.

**VELOCITY OF CHEMICAL REACTIONS (EB)**

**j-h-c** 11 minutes **B&W: \$2.15**  
 Shows the influence of temperature and the nature of reactants and molecular changes. Included also are catalysis and its practical significance, reversible reactions and chemical equilibrium, and industrial applications of reaction processes.

**VENEZUELA (UW)**

**general** 10 minutes **Color: \$2.70**  
 To reach Caracas, it is necessary to stop at the port of La Guaira, then proceed through the Andes Mountains. Places around Caracas indicate the beauty of the planned city. A salute to Simon Bolivar, the "father of Pan-Americanism," ends the film.

**VENEZUELA MOVES AHEAD (UW)**

**general** 30 minutes **Color: \$8.40**  
 An economic, historic, and geographic analysis of Venezuela. Animated maps are used to illustrate the above viewpoints. Attention is given to Venezuela's principal industry—oil. Caracas, Venezuela's capital, is shown as an unusual modern development.

**VENICE (YA)**

**i-j-h-a** 11 minutes **B&W: \$2.15, Color: \$3.90**  
 Depicts a visit to the old capital of the Venetian Republic with its colorful vistas, churches, red-tiled roofs, and priceless works of art. A close inspection of the gondola is made, and a visit to Saint Mark's Square is taken.

**VENICE—QUEEN CITY OF THE ADRIATIC (EB)**

**i-j-h-a** 10 minutes **Color: \$3.15**  
 Modern Venice is made understandable in terms of the city's origin, its rise to power and wealth through trade, its decline with the coming of new trade routes, and its survival as a thriving city through adaptation to new conditions.

**VERA CRUZ (OIAA)**

**j-h-c-a** 17 minutes **Color: \$4.40**  
 With actor Joseph Cotten as narrator, this film conducts its audience through the Mexican province of Vera Cruz. Varicose flowers, odd native clothes and customs, and the colorful panorama of the quiet countryside make this film a delightful treat.

**VERBOS REGULARES—INFINITIVO, INDICATIVO Y CONDICIONAL (SPANISH INSTRUCTO-FILM NO. 6) (ALT)**

**h-c** 17 minutes **B&W: \$3.35**  
 This film covers the infinitive, present participle, past participle, present indicative, imperfect indicative, preterit, future, conditional, progressive, and present perfect forms of the verb *take*. Rhythmical conjugation exercises that Spanish children do for ear training and facility of speech are included.

**VERBOS REGULARES—SUBJUNTIVO Y IMPERATIVO (SPANISH INSTRUCTO-FILM NO. 7) (ALT)**

**h-c** 18 minutes **B&W: \$3.45**  
 Discussion and practice of present, *I may take*, and imperfect (*if*) *I should take*. Sequence of tenses. *When*, and phrases requiring the subjunctive tenses. Affirmative imperative, including most common irregular forms. Negative imperative. The same rhythmical conjugation exercises Spanish children do to acquire fluency.

**VERBS: PRINCIPAL PARTS (C)**

**i-j-h** 11 minutes **B&W: \$2.35**  
 Knowing the principal parts of verbs makes it easier to use verbs correctly. Done completely in animation, the film shows

that the present, past, future and perfect tenses of regular and irregular verbs are based on the three principal parts. We are encouraged to practice in order to become familiar with and accurate in the use of irregular verbs.

**VERBS: RECOGNIZING AND USING THEM (C)**

**i-j-h** 11 minutes **B&W: \$2.35**  
 Done completely in animation, this film shows how to identify the complete subject and the complete predicate of a sentence. We see how to recognize the verb, and how to recognize three distinct functions of verbs in sentences. Effective recognition and use of verbs is encouraged.

**VERMONT (THIS LAND OF OURS SERIES) (IFI)**

**i-j-h** 10 minutes **Color: \$3.10**  
 Vermont's quarries, the world's leading source of marble and granite, are surveyed in the first part. The final episode describes the maple sugar and dairy industries of Vermont.

**VERNIER SCALE, THE (USOE)**

**h-c** 17 minutes **B&W: 3.15**  
 This film is a detailed study of the principles of the vernier scale and its application to precision measurement. Through the use of animated diagrams, both the ten and twenty-five part vernier scales are explained. The correct method to handle vernier micrometers is also shown.

**VESICULAR EXANTHEMA (USDA)**

**h-c-a** 19 minutes **Color \$2.15**  
 Tells the story of the outbreak of vesicular exanthema in 1952, its rapid spread, and measures taken to control it. Shows disease symptoms, depicts differential diagnostic field tests, and reviews Federal-State-Industry cooperation in eradication efforts, including the proper cooking of garbage fed to swine to curb the spread of vesicular exanthema as well as other diseases. The film stresses that any campaign to control outbreaks and eradicate animal diseases requires the cooperation of everyone connected with the livestock industry, from the producer to the consumer.

**VICE PRESIDENCY, THE (McGH)**

**h-c-a** 51 minutes (2 parts) **B&W: \$9.15**  
 From Edward R. Murrow's "See It Now." Studies the rights and duties as well as the men who have held this office. Part I—John Adams to Charles Curtis—(1789-1933). Part II—John Garner to Richard Nixon—(1933- ).

**VICE PRESIDENT, THE (NATURE OF WORK SERIES) (McGH)**

**c-a** 27 minutes **B&W: \$5.35**  
 The man of authority is looked at in the light of what his status does to him. As the film points out, often the attainment of a status position involves not only the accruing of satisfactions not held before, but usually the sacrificing of many earlier ones and a change in the whole pattern of living and working.

**VICIOUS CIRCLE (USDA)**

**c-a** 21 minutes **Color: 2.15**  
 Avian type of tuberculosis is prevalent in hen flocks all over the United States. To further understand the disease, detection methods are pointed out; prevention and elimination procedures are included in the disease analysis.

**VICTORY IN EUROPE (AIR POWER SERIES) (CBS)**

**h-c-a** 28 minutes **B&W: \$5.65**  
 The film covers the military situation as of December 1944, when the Allied armies had drawn up to the German border, poised for the final assault, and describes the maneuvers and battles that crushed the Nazi empire.

**VICTORY IN THE AIR (CWC)**

**h-c-a** 9 minutes **B&W: \$2.15**  
 A presentation of General Arnold's report which explained how the materials produced in the arsenals of America led to this nation's superiority and ultimate victory in the air. It stresses the role of research and development in coping with emergencies and uncertainties of arming an Air Force while the war is being fought.

**VICTORY OVER POLIO (CBS)**

**h-c-a** 27 minutes **B&W: \$5.35**  
 The dramatic story of man's fight against the dread crippler, polio. After years and years of research by scientists the world over, Dr. Jonas Salk finally develops an effective vaccine. Originally appeared over television in the Twentieth Century Series.



**VIENNA TODAY (McGH)**

j-h-c-a 27 minutes B&amp;W: \$5.15

Life in Austria's capital city, Vienna, is depicted from several angles. Some of the historical aspects of the city are discussed as is the four power control government of today. Scenes of family life, opera, night clubs, musical events, theaters, social life, and business are shown.

**VIKING TRAIL, THE (TFC)**

i-j-h 10 minutes B&amp;W: \$2.15

This film portrays the sweeping beauty of Norway, its fjords, waterfalls and snowcapped mountains, and shows the country people still living under the influence of an ancient tradition. *Restricted to classroom use.*

**VIKINGS AND THEIR EXPLORATIONS, THE (C)**

i-h 10 minutes Color: \$3.40

Sailing out from what is now Scandinavia, Viking warriors of the ninth and tenth centuries influenced the history of many modern-day nations. Through costumed dramatizations and authentic Viking artifacts, aspects of Norse culture are traced. Home life, manners and dress and various explorations are re-created, culminating in Leif Ericson's discovery of the North American continent nearly five hundred years before the voyage of Columbus.

**VIKINGS, THE: LIFE AND CONQUESTS (EB)**

j-h 17 minutes Color: \$7.25

Depicts the extent of Viking exploration, commercial ventures, raiding parties, and colonization through the use of maps. Describes the home life and duties of men, women, and children in Viking society including both occupational and recreational activities. Shows the influence of the Vikings on the peoples of Europe, and how their contacts with these Christian civilizations changed their character.

**VILLAGES IN THE SKY (AV)**

j-h-c-a 12 minutes Color: \$3.80

High on the tips of three mesas in northern Arizona, the Hopis have lived for over a thousand years. Paths lead up the sheer cliffs, and the lowly burro transports folks and supplies on the trails. We watch Hopi women weave baskets, make pottery, bake in outdoor ovens, and perform the symbolic ritual of their ancient Plaque Dance.

**VIM, VIGOR, AND VITAMINS (BFS)**

j-h-a 9 minutes B&amp;W: \$2.15

Discusses each vitamin, its richest food sources and ways of including the necessary vitamins in a day's menu.

**VINCENT VAN GOGH (C)**

j-h-c-a 22 minutes Color: \$7.05

This film affords us the opportunity of viewing a large number of the original works of this famous artist. The selections are skillfully and poetically interwoven with fragments of his frequent letters to his brother Theo. We also see many of the actual locales associated with Van Gogh, such as the Borinage, Arles, and others.

**VIRTUOSO FRANZ LISZT AS COMPOSER (TFC)**

j-h-c-a 14 minutes Color: \$5.00

Demonstrates his virtuosity as a pianist and motivates study and appreciation of his compositions. The objectives of this film are to provide a background for music appreciation through the re-enactment of a concert by Franz Liszt playing his own compositions; also to dramatize events in Liszt's life that influenced his music. *Restricted to classroom use.*

**VISION IN THE FOREST (USDA)**

i-j 8 minutes Color: \$1.50

Features Vaughn Monroe and his family enjoying a camping trip in the forest. Chris Monroe wanders away from the others and sees a Smokey Bear poster come to life. She hurries back to camp with the news and everyone agrees that Smokey is a good friend of the forest and its wild creatures. Songs featured in this film include "Racing With The Moon," "Riders In The Sky," and "Smokey The Bear." The Monroe family shows how we can all cooperate with Smokey to prevent fires from getting started in our forests.

**VISION STRIP AUDIO-VISUAL CLASSROOM, THE (WAW)**

c-a 15 minutes B&amp;W: \$3.00

Stresses the importance of efficiency for classrooms of today. The film recommends a new kind of classroom called the

vision strip classroom where windows are installed in the short walls of the room. Compares traditional and vision strip classrooms in terms of economy of construction, public health and teaching efficiency.

**VISIT FROM ST. NICHOLAS (C)**

general 4 minutes Color: \$2.40

Produced in lively animation, this film retells the story of the midnight visit of St. Nicholas with his wonderful team of reindeer and bountiful sled of toys.

**VISIT TO CUBA (IFB)**

i-j 12 minutes Color: \$3.40

This colorful tour of the island's major cities and typical farm areas provides a broad understanding of Cuban agriculture, industry and social conditions. The film presents scenes of Havana, Santa Clara, Cienfuegos, and Trinidad, interspersed with views of the island's natural vegetation and farmlands. The cultivation of sugar cane, tobacco, citrus fruit and other farm produce is shown and explained, and historic points of interest, schools and universities, details of the island's physical appearance and climate, and cathedrals and typical architecture are included.

**VISIT TO IRELAND (C)**

i-j 10 minutes B&amp;W: \$2.15

This film takes us to the Emerald Isle, to tour the charming countryside with its simple thatched cottages, peat bogs and green pastures dotted with sheep. Then, off we go to thriving Dublin. We spend a peaceful evening on the hearth with the O'Sheas; visit a school and a church, then stop for a moment at the lovely Lake of Killarney, and leave with Ireland's enchantment ever fresh in our memories.

**VISIT TO PUERTO RICO (IFB)**

i-j-h 17 minutes Color: \$5.50

Establishes the island's location, population, racial heritage, geography and topography. Documents the effect of the current development program on education, public health and industry.

**VISIT TO THE WATERWORKS, A (EB)**

p-i 10 minutes B&amp;W: \$2.15

An elementary school class is taken on a complete tour of the local waterworks. The youngsters see how water is pumped in, chemically treated, filtered, and tested before it is piped to the houses and buildings of the town. Calls attention to several of the major water supply sources and illustrates various uses of the community water supply.

**VISIT WITH COWBOYS, A (EB)**

p-i 10 minutes B&amp;W: \$2.15

Describes the work of the cowboy through the eyes of an American boy visiting a ranch for the first time. Shows how horses are shod and how they are fed. Includes scenes of horses being rounded up and broken to the saddle. Also portrays how cowboys rope calves and ride bucking broncos at a rodeo.

**VISTAS DE ANDALUCIA (IFB)**

h-c 11 minutes Color: \$3.40

Glimpses of the Giralda and the Cathedral of Seville, of the famous Parque de Maria Luisa, of the ancient Forre del Oro on the Guadalquivir River are seen. Shows the manufacture of sherry in Jerez de la Frontera, and the quaint town of Arcos, perched on a high hill. Visits the white city of Cadiz and Cordoba with its moorish mosque, and Granada and the famous palace of the Alhambra with its splendid gardens and fountains. Spanish narration.

**VISUAL FLIGHT RULES (CAA)**

h-c 21 minutes Color: \$2.15

Depicts a typical cross-country VFR flight and in the process reviews the more important Civil Air Regulations that must be complied with during the flight.

**VISUAL PERCEPTION RESEARCH (THE SEARCH) (CBS)**

h-c-a 27 minutes B&amp;W: \$5.65

Ohio State University personnel explain the equipment and tests used to measure and improve vision to support the fact that even persons with "normal" vision may double or even triple their vision. Shows how schools and business organizations are taking advantage of the results found in this research.

**VISUALIZING AN OBJECT (USOE)**

h-c 9 minutes B&amp;W: \$1.65

Illustrates the basic principles of a blueprint. Demonstrates how dimensions are shown by different views, and how various kinds of lines are shown on a blueprint.



## **VITAL SIGNS AND THEIR INTERRELATION: BODY TEMPERATURE, PULSE, RESPIRATION, BLOOD PRESSURE (UW)**

c-a 30 minutes B&W: \$3.90  
Physiology of the respiratory, heat regulatory, and circulatory systems and their interrelation in normal functions and in deviations from normal are described. It also develops the concept of how to ascertain and record the vital signs, the importance of making thorough observations, and how to take care of equipment.

## **VITAMIN RIVERS (CAV)**

general 22 minutes Color: \$2.15  
Illustrates how great advances in canning processes have made possible the development of vast areas of the United States. This development, in turn, has promoted the health of the people of the nation.

## **VITAMIN-WISE (NFBC)**

j-h-c 7 minutes B&W: \$2.15  
Explains the vitamin values of the staple fresh vegetables and fruits, and proceeds to advise housewives to make experiments, improvise, and obtain the maximum food value by using proper cooking methods. Warns against waste due to careless cooking and stresses the need for conservation of both food and fuel.

## **VIVA MEXICO (McGH)**

j-h-c-a 17 minutes B&W: \$3.75  
To develop the understanding of this nation, the camera opens with scenes around Mexico City. Later, it travels to various parts of the country to show the rich lands and resources. Mexico's armed forces and military traditions conclude the appraisal of the nation.

## **VOCAL MUSIC (EB)**

j-h-c-a 9 minutes B&W: \$2.15  
Describes and illustrates the principles of voice production in music. Demonstrates good and bad posture, correct breathing, good tone production, and good diction. Illustrates common faults such as breathiness, tightness, throatiness, and nasality. Depicts the singer's role as a performer as well as his function as an "instrument," and includes several examples of good vocal music.

## **VOCATIONAL DISTRIBUTIVE EDUCATION: THE PROGRAM AND THE PLAN (IU)**

c-a 15 minutes B&W: \$2.95  
For school board members, superintendents, and principals. Shows that the plan involves supervised on-the-job training and classroom instruction. Presents five-step plan to serve as a guide in the establishment of the program.

## **VOICES OF A GREAT UNIVERSITY (UI)**

h-c-a 28 minutes Color: N.C.  
The story of teachers and teaching at the University of Illinois. An account of how through the years the University has excelled in bringing together the young, inquiring mind eager to learn and the learned, mature mind eager to teach.

## **VOICES OF MALAYA (BIS)**

h-c-a 30 minutes B&W: \$4.65  
Still suffering from the effects of war, famine and political upheaval, five million people of four races—Malay, Chinese, Indian, and European—are working side by side, endeavoring to bring to Malaya a life of peace and prosperity.

## **VOICI LA FRANCE (PAA)**

j-h-c-a 30 minutes Color: \$5.65  
A glimpse of the people of France and of the great cities and the Riviera is given.

## **VOLCANOES IN ACTION (EB)**

j-h 10 minutes B&W: \$2.15  
This film demonstrates that volcanic phenomena operate in accordance with natural laws. Animated drawings and natural photography explain many important phenomena of volcanism such as dikes, sills, laccoliths, and metamorphism, and shows products of volcanism including lava, cinder, and ash. Demonstrates causes, effects, and distribution of volcanic eruption.

## **VOLLEYBALL FOR BOYS (C)**

i-j-h 10 minutes B&W: \$1.90  
The film shows in regular and slow motion photography the proper methods of serving, volleying, spiking, defensive play and various drills to develop such skills.

## **VOLLEYBALL STRATEGY FOR GIRLS (YA)**

j-h-c 9 minutes B&W: \$2.35  
Explains offense and defense patterns and strategy built around the use of fundamental skills already learned. Discusses playing positions, serve placement, 1-2-3 attack, 1-2 attack, single attack, spiking, blocking, rotation, and other items.

## **VOLLEYBALL TECHNIQUES FOR GIRLS (YA)**

j-h-c 11 minutes B&W: \$2.35  
Shows a variety of basic playing skills using animation and slow motion photography to analyze the basic techniques involved in such ball handling skills as overhand volley, spiking, underhand volley, blocking, serves, and others.

## **VOLT-OHMMETER OPERATION (RADIO TECHNICIAN TRAINING) (CAA)**

h-c 17 minutes B&W: \$2.15  
Shows step-by-step how to operate a volt-ohmmeter (Weston and other types) to measure ohms and volts, including the selection of proper scale range, adjustments for zero scale, and set-up for either DC or AC current. Film assumes that viewer has knowledge of direct current, including electron flow, Ohm's Law, magnetism and batteries.

## **VOLTAIC CELL, DRY CELL, AND STORAGE BATTERY (UW)**

h-c-a 21 minutes B&W: \$3.15  
An explanation is given of the principles of a voltaic cell, a dry cell, and a storage battery.

## **VOLUME AND ITS MEASUREMENT (C)**

j 11 minutes B&W: \$2.35  
Visualizes the concept of the cube unit of measurement. A cubic unit is compared to square units, with which the student is already familiar, and the relationships between dimensions and volume are shown. Familiar objects are used throughout the film. The film leads naturally to the basic formulas for volume, and these formulas are established empirically by actual measurements of contents.

## **VOLUMES OF CUBES, PRISMS, AND CYLINDERS (DISCOVERING SOLIDS) (DEL)**

i-j-h 20 minutes B&W: \$3.65  
Uses examples of everyday objects to develop the basic formula  $V=Bh$  for computing the volumes of cubes, prisms, and cylinders. Builds each concept, formula, or definition through use of live-action, animation, and application to a situation.

## **VOLUMES OF PYRAMIDS, CONES, AND SPHERES (DISCOVERING SOLIDS) (DEL)**

j-h 18 minutes B&W: \$3.15  
Uses a combination of animation and live-action photography to logically develop the formulas for determining the volume of pyramids, cones, and spheres. After reviewing the formulas for the volumes of prisms and cylinders, the volume of a pyramid with a rectangular base is determined. This is then related to pyramids with nonrectangular bases and cones, the volume of the latter being compared to a cylinder. Defines a sphere and portrays a method of determining its volume.

## **VOTING PROCEDURES (IU)**

h-c-a 14 minutes B&W: \$3.65  
A general summary of voting procedures—registration, requirements for registration, preparation of voting lists—are considered in the first part of this civics film. As an added feature, it delves into voting by machine as contrasted to voting by paper ballot.

## **VRONSKY AND BABIN, DUO PIANISTS NO. 1 (ICS)**

i-j-h-c 7 minutes B&W: \$1.90  
These brilliant young performers met while students in Berlin to which they had gone from their native Russia to study under Artur Schnabel. Marrying, they at once renounced separate careers, and the perfect accord of their temperaments and tastes is evident in their playing. They play: *Waltz in A Flat* by Brahms; *Valse* by Arensky; *Flight of the Bumble Bee* by Rimsky-Korsakoff.

## **W. B. YEATS—A TRIBUTE (BRF)**

h-c-a 22 minutes B&W: \$4.15  
Filmed in the Western portion of Ireland where Yeats spent his boyhood and youth. Poetry of Yeats is eloquently read as fine music is played. A splendid background of the countryside fills the viewer with images from Yeats' magnificent poetry. An extremely artistic film.



**WACKY WEED, THE (UW)**

general 7 minutes Color: \$2.40  
 Andy Panda's desperate efforts to keep a weed from choking out his flower.

**WACO-SAN ANGELO DISASTER STUDY (SEARCH) (McGH)**

e-a 27 minutes B&W: \$5.65  
 An on-the-spot account of a major disaster area. Photographed entirely in Waco, Texas, the scene of a devastating tornado in 1953 is shown. Stresses the will of the people and their struggle to rebuild their community equal in stature to the destroyed one.

**WALT DISNEY CARTOON PARADE #6 (WDP)**

general 27 minutes Color: \$7.50  
 Three cartoons—"Tortoise and the Hare," "Elmer the Elephant," and "Little Hiawatha"—are brought to you in this film.

**WALT WHITMAN: BACKGROUND FOR HIS WORKS (C)**

j-h-c 12 minutes B&W: \$2.80  
 Presents Whitman as a true American poet, whose works were strongly influenced by significant facets of the nineteenth-century America in which he lived. Scenes of the poet's life and his America give meaning to selections from his poetry.

**WALTER GROPIUS (WISDOM SERIES) (EB)**

j-h 28 minutes B&W: \$6.15  
 The chairman of the Department of Architecture, Graduate School of Design at Harvard University tells of his early career as a leader in the growth of modern architecture in Germany. He was a founder of the famous Bauhaus school in Germany which, since World War I, has played a world-leading role in the development of conceptions of architecture and product design.

**WALTER REUTHER-MIKE WALLACE INTERVIEW (UAW-CIO)**

h-e-a 29 minutes B&W: \$2.15  
 Gives the highlights of the interview which took place between Mike Wallace and Walter Reuther. Discussion concerns the labor union.

**WANDA LANDOWSKA (WISDOM SERIES) (EB)**

j-h 28 minutes B&W: \$6.15  
 The eminent harpsichordist talks about her life, career, and philosophy as an artist. She describes the effort in which she gained public acceptance of the harpsichord as the instrument for which much of the music of Bach and earlier composers was originally written.

**WANDERERS OF THE DESERT (EB)**

i-j 9 minutes Color: \$3.40  
 Visits the Arabian Desert, extending from Jordan to Saudi Arabia, and pictures the camel mounted police unit, the racing camels of the desert patrol, and the Bedouins setting up camp, eating, and dancing.

**WAR COMES TO AMERICA (UW)**

j-h-e-a 56 minutes B&W: \$10.15  
 This picture is one of the best documentary films ever produced. It covers first, the early history of the United States, and then deals with the period during the 1920's and '30's with members of the government shown in newsreel shots and documentary film cuttings discussing major issues. The rise of the Nazi and Fascists and the power of Japan is shown as preceding the war in Europe. The film dramatically brings up incidents of war and discord over the world, and concludes with the Japanese attack at Pearl Harbor.

**WAR OF 1812 (C)**

j-h-c-a 14 minutes B&W: \$2.75  
 Through the experiences of a young American seaman, the film shows the major areas of battle during the War of 1812. Explains its causes, its broad strategy, and the ultimate results. The War's relationship to the violent Napoleonic era is discussed along with American reaction. Its long-range effect on the relationship between the U.S. and Canada is explained.

**WAR OF 1812 (HISTORY OF THE U. S. NAVY) (AFS)**

j-h-e-a 19 minutes Color: \$3.65  
 Depicts the events of the war, the major naval battles, the inter-relationship of land and sea actions, and the lessons learned regarding the need for a standing navy. Treaty provisions ending the war are reviewed.

**WAR OF INDEPENDENCE (HISTORY OF THE U. S. NAVY) (AFS)**

j-h-e-a 22 minutes Color: \$3.65  
 Reviews major causes of the war and describes the need for and growth of the U. S. Navy. Describes the state of training of crews manning American merchant ships. Relates the continental armies' needs for supplies, and the ways in which the navy secured these supplies. Major campaigns and the navy's support of them are pictured.

**WAR ON WHEELS (OWI)**

h-c 21 minutes B&W: \$2.65  
 Is the story of an American truck convoy ambushed by German tanks. Its rescue in a pitched battle by a group of American medium tanks graphically pictures the type of action which won for us in Tunisia. The commentary brings home to the worker the importance of his role in our mounting war production.

**WARM FRONTS (AEROLOGY SERIES) (CAA)**

j-h-e 20 minutes Color: \$2.15  
 Explains the meeting boundaries of warm and cold air, dangerous stratified layers of clouds, types of visibility, precipitation, and ceiling conditions, their locations, cirrus, cirro-stratus, and alto-stratus clouds.

**WARNING SHADOW, THE (ACS)**

c-a 17 minutes Color: \$2.15  
 Makes an appeal for men over 45 to have chest X-rays taken twice a year. Discusses the characteristics of cancer and emphasizes early diagnosis and treatment.

**WARRIORS AT PEACE (AV)**

j-h-e-a 12 minutes Color: \$3.80  
 The peaceful, present day life of the Apache tribe is contrasted with their warlike past. Modern homes stand beside the early wickiups. Being nomads, the Apaches were fine basket weavers. We see the tus, a basketry water jar, in use. Their reservation is now one of Arizona's finest cattle ranches. But tribal customs are retained in the ancient Pollen Blessing Ceremony. Friends, in native dress, arrive on foot, by covered wagon, and by auto to witness the weird rituals of the Devil Dancers.

**WASHINGTON (UW)**

general 9 minutes B&W: \$1.70  
 History is written here in marble buildings and monuments of inspiring magnificence. The Capitol, White House, Lincoln Memorial, and other famous spots are shown.

**WASHINGTON AND ITS NATURAL RESOURCES (USBM)**

h-e-a 28 minutes Color: \$2.15  
 The state of Washington is really seven states in one, and the common resource of all of them is water power. We see many other scenes of Washington industries and activities—fishing, flower growing, fruit and forest industries. There is a view of the Peace Arch at Blaine—symbol of friendship between Canada and the United States.

**WASHINGTON CROSSES THE DELAWARE (YOU ARE THERE) (CBS)**

j-h-e-a 27 minutes B&W: \$5.65  
 In the dead of winter, a surprise move on the part of General Washington brought a decisive victory for the morale of the weary American Army. On the night of December 25, 1776, his crossing of the half frozen Delaware River was a surprise move that caught the Hessian troops in Trenton off guard.

**WASHINGTON, D. C.: STORY OF OUR CAPITAL (C)**

i-j-h 10 minutes Color: \$3.40  
 The story of development and growth of our nation's capital, Washington, D. C. Based on the original plan of L'Enfant, a French engineer, the city has grown to be one of the most beautiful and historical in the world. Here is the home of our government and the home of representatives of almost every government in the world. The city contains many relics of the past and monuments to great men and causes.

**WASHINGTON IRVING (EB)**

j-h-e 17 minutes B&W: \$4.15  
 Brings to life significant episodes in the life of Washington Irving, the first American to receive prominent recognition in the world of literature. Traces Irving's early life in New York as a lawyer and then as a writer. Describes his travels and life abroad, highlighting the incidents on which hinged the writing of his best-known literary works.



**WASHINGTON PARADE (TFC)**

i-j-h 9 minutes B&amp;W: \$1.65

An aerial view of the city covering such places as the Union Station, Pennsylvania Avenue, the Lincoln Memorial, the White House, and several government buildings. Visits to the Treasury and the Department of Justice show many of the activities of these government departments. *Restricted to classroom use.*

**WASHINGTON STATE (THIS LAND OF OURS SERIES) (IFI)**

i-j-h 10 minutes Color: \$2.65

One of the series on the geographical sections of the United States. Shows the state of Washington as one would see it as they traveled through. Points out the historical, industrial and geographical highlights of the state.

**WASHINGTON—THE CAPITAL CITY (THIS LAND OF OURS SERIES) (IFI)**

i-j-h 9 minutes Color: \$3.15

Visits the capitol building, the White House, the Lincoln Memorial, the Jefferson Memorial, and Washington's Monument.

**WASHINGTON'S FAREWELL TO HIS OFFICERS (YOU ARE THERE) (CBS)**

j-h-c-a 27 minutes B&amp;W: \$5.65

Fraunces Tavern, New York City, is the setting for the dramatization of a farewell address by General George Washington on December 4, 1783.

**WASTAGE OF HUMAN RESOURCES (EB)**

j-h 10 minutes B&amp;W: \$2.15

Graphically points out the human wastage, at all age levels, caused by crippling disease, careless accidents, juvenile delinquency, unemployment, alcoholic and drug addiction, mental disease, crime, war, and bad living conditions.

**WASTE NOT—WANT NOT (AP)**

j-h-c 19 minutes Color: \$2.15

Tells the importance of reprocessed and reused wool. Urges the conservation of waste woolen materials and explains the process of manufacturing woolen cloth from greasy wool to finished product. Points out advantages of clothing made from wool.

**WATCH FOR JOE, A (WEB)**

a 42 minutes Color: \$5.15

Points up for union-shy clerks and white collar workers the blind spots in anti-union thinking, particularly for a man who is against unions because his father was against them.

**WATCH THAT QUOTATION (C)**

i-j 9 minutes B&amp;W: \$2.15

Teaches the importance of quoting accurately, the general importance of authority behind statements, how to quote in speech and in writing, and how to read and to listen to quotations.

**WATER (USDA)**

i-j-h 9 minutes B&amp;W: \$1.50

Pictures many uses of water, the dependence of plants and animals upon rain, and the results of drought and erosion. Concludes with scenes of conservation measures such as irrigation, flood control and terracing.

**WATER (PRIMARY SCIENCE) (GA)**

p-i 9 minutes B&amp;W: \$2.15

Illustrates the three forms of water—liquid, solid, and gas. Shows phases of the water cycle and the importance of water to all living things.

**WATER BIRDS (EB)**

i-j 10 minutes B&amp;W: \$2.15

Depicts the physical characteristics, habits, environment, adaptiveness and care of the young of the egret, the mallard duck, the Canada goose, the brown pelican, the lesser scaup and the flamingo. Animation shows the winter and summer homes of the Canada goose and the principal migration route.

**WATER BIRDS (WDP)**

h-c-a 30 minutes Color: \$10.15, one day

Gives glimpses into the behavior, nest building, and anatomical features of seaside and marshland bird life. \$15.15—Two days. \$25.15—One week.

**WATER CYCLE (EB)**

i-j 9 minutes B&amp;W: \$2.15

Shows the different phases of the water cycle—evaporation, condensation, saturation, the water table, and the circulation of water on the earth's surface.

**WATER DAREDEVILS (UW)**

j-h-c-a 7 minutes B&amp;W: \$1.70

Shows comedy divers, water skiing, and boat racing. Full length aquatic fun.

**WATER FOR DRY LAND (SOUTHWEST U.S.A.) (UW)**

i-j-h-c-a 19 minutes B&amp;W: \$3.15

Pictures the dependence of man upon his supply of water. The transformation of desert lands by man's triumph in controlling the water supply is shown.

**WATER FOR FARM AND CITY (USDA)**

general 14 minutes B&amp;W: \$2.15

This film shows the effect of water upon the land and its people. Areas are shown which never have enough water, where people have to buy the water they drink. Areas which have more water than they can use; those where the water comes all at once; and those areas where nature herself helps control a year-around supply.

**WATER FOR THE COMMUNITY (C)**

i-j 11 minutes B&amp;W: \$2.35

The process by which water is treated for purification before distribution to the community. Shows treatment for clarity and killing bacteria. Explains the water cycle, sources of water, and storage.

**WATER, FRIEND OR ENEMY (WDP)**

i-j-h 9 minutes Color: \$3.15

Water can be a true friend to man if proper precautions are taken to see that it is pure. Illustrates correct measures in keeping spring water from being contaminated and suggests boiling water as a final precaution.

**WATER IN THE AIR (ELEMENTARY PHYSICAL SCIENCE) (EB)**

p-i 11 minutes B&amp;W: \$2.15

Two boys caught in a sudden summer shower learn from their own experience the mechanics and meaning of the water cycle.

**WATER: LIFEBLOOD OF THE WEST (AV)**

i-j-h-c-a 15 minutes Color: \$4.10

Describes the creation of the Bureau of Reclamation in 1902 by Congress; maps the reclamation projects in the area of the Bureau's operation; and shows the Salt River and the Lower Colorado River Basin developments. Pictures the functions of Hoover Dam, including water storage, flood control, de-silting and generation of electric power. Shows lakes created by the dams which are used for recreation areas and wildlife refuges.

**WATER POWER (EB)**

i-j-h 11 minutes B&amp;W: \$2.15

The concept of potential power from water is introduced by the water cycle which furnishes a never ending source of power. It is shown how rapids and waterfalls were changed from hindrances to aids of man's progress. Traces the development of water power, chiefly in the United States, from the small mill of the early Colonist to such modern projects as Niagara, Boulder Dam, and the Tennessee Valley.

**WATER SAFETY (YA)**

i-j-h 11 minutes B&amp;W: \$2.15

A discussion of the elementary principles of water safety for those who swim and boat in all types of water areas.

**WATER SUPPLY (A)**

i-j-h 10 minutes B&amp;W: \$2.15, Color: \$3.40

Dramatically portrays, through natural scenes and animated diagrams, the source, storage, and handling of water by nature and man.

**WATER, WATER, EVERYWHERE (OBSERVING THINGS ABOUT US) (C)**

p-i 11 minutes B&amp;W: \$2.15

We discover the importance of the water around us—both seen and unseen. We learn how water evaporates, how clouds are formed, and why rain falls.



**WATER WE DRINK, THE (C)**

p-i 7 minutes B&W: \$2.15  
Depicts the importance of proper drinking habits for good health and illustrates the many body functions which water serves. The audience learns that water is essential to our bodies and why we should drink only clean, pure water. Also shows methods of water purification.

**WATER WORKS FOR US (YA)**

i-j 10 minutes B&W: \$2.15  
Shows the place of water in our modern life. Also shows how water works for health, growth, and power.

**WATERCOLORS IN ACTION (IFB)**

h-c-a 11 minutes Color: \$3.40  
Explanation and illustration of important details in watercolor painting including: characteristics of the "direct method"; simplicity of professional equipment; colors and color combinations; simplicity of pencil detail; how to lay washes; maintaining a wet wash by tilting; comparison of wet and dry tonal value; and modification of applied colors by dropping added color into wet wash.

**WATERFOWL IN ACTION (UM)**

j-h-c-a 11 minutes Color: \$3.40  
Depicts the landings, takeoffs, feeding habits, and identifying field marks of the migratory water birds.

**WATERWAY HOLIDAY (NFBC)**

j-h-c-a 33 minutes Color: \$2.15  
The Trent and Severn River waterway system cuts through some of the loveliest lakeland scenery of Southern Ontario. A family, traveling from upper New York State, see Serpent Mounds Provincial Park where archaeological excavations are underway, the fish-famous Couchiching, and the authentically recreated Huron Indian village at Midland.

**WATERWAYS AND FLYWAYS OF THE NORTH (NFBC)**

j-h-c-a 17 minutes Color: \$2.15  
Depicts the sport and vacation pleasures that lie in store in Manitoba's northern lakelands. Once the domain of the trader and the trapper, this region now offers rich rewards to the fisherman and the hunter.

**WATTISIE (OSU)**

c-a 8 minutes B&W: \$2.15  
Discussion will be provoked by this dramatization of problems that face administration officers in a high school. This film shows several incidents that arise because there is obviously a lack of good administration.

**WAY STATIONS IN SPACE (UW)**

i-j 14 minutes Color: \$4.70  
This is an introduction to the basic scientific principles of using a manned space platform in helping explore the universe.

**WAYS TO BETTER CONVERSATION (C)**

j-h 10 minutes B&W: \$2.15  
What constitutes good conversation and how can skill in conversation be improved? Being courteous, inclusive, respectful, contributing, following the subject, and listening are the requirements of good conversation shown in this film.

**WAYS TO FIND OUT (CW)**

p-i 10 minutes B&W: \$2.35  
On a rainy afternoon a young child experiences the wet world about him. He can see the clouds, smell the damp leaves, hear the patter of the drops, feel the wetness and even taste the rain. In his home he explores that wonderful world that is revealed through size and shape, rough and smooth, loud and soft, through all the special ways that he uses to find out.

**WAYS TO GOOD HABITS (C)**

p-i 11 minutes B&W: \$2.15  
Children in the lower grade levels are developing the habits which they will have throughout their lives. This film shows the importance of habits, good or bad, instead of reiterating the old theme, "Don't do that—that's a bad habit!" It demonstrates how to substitute good habits for bad ones, and motivates students to build good habits of their own.

**WAYS TO SETTLE DISPUTES (C)**

p-i 11 minutes B&W: \$2.15  
There are simple ways to prevent and settle disagreements; compromise is one important method that this film suggests. Other ways are presented as a guide for students to follow while maintaining a cooperative attitude on the part of both parties.

**WE DISCOVER FRACTIONS (C)**

i 9 minutes B&W: \$2.15  
Helps students relate the arithmetic symbols of fractions to their own experience.

**WE DISCOVER THE DICTIONARY (C)**

i 11 minutes B&W: \$2.15  
A story of three students learning, by writing a letter, the fine points of using a dictionary.

**WE EXPLORE THE BEACH (C)**

p 11 minutes Color: \$3.40  
Story of Betty and Billy as they walk along the beach discovering many things—a bird's nest, seashells, and water animals. As the children play among the tall grasses and watch the seagulls feed, they become aware that the beach is alive with plants and animals and that the sea is also rich with life. The film story is one that will create for the child a visual background and deep appreciation for life in and near the sea.

**WE EXPLORE THE FIELD AND MEADOW (C)**

p 11 minutes Color: \$3.60  
During a beautiful morning walk, Wayne and Kathy see many plants and animals that live in the field and meadow and learn that each depends on the other for their needs within the environment.

**WE EXPLORE THE STREAM (C)**

p 11 minutes Color: \$3.60  
Paul and Marcy explore a stream near their home in order to find snails for their aquarium. They observe many of the plants, birds, fish, and insects that are common to a stream environment and learn of the interdependence of living things. Unusual close-ups show us animals such as the raccoon, bass, crayfish, and others.

**WE EXPLORE THE WOODLAND (C)**

p 11 minutes Color: \$3.40  
With Grandpa, Ken and Pam set out on an exciting exploration. Trees, wildflowers, small animals, colorful birds, insects, and wild fruit are among their discoveries. They learn that the woodland is a kind of home shared by many different plants and animals.

**WE GO TO SCHOOL (C)**

p 9 minutes B&W: \$2.15  
Shows the activities of typical seven-year-old school children in the classroom and on the playground. Stresses the importance of an attitude of cooperation, consideration for others, and the responsibilities of the group toward a newcomer.

**WE HOLD THESE TRUTHS (BFC)**

h-c-a 27 minutes B&W: \$8.15 per day  
A young Negro soldier on his way to Korea finds slums and race segregation in Washington, D. C. and New York City. He wonders if we have a right to call ourselves a "Christian nation," but he finds that the church does have an interest in these problems. Weekly rental, \$24.15. Monthly rental, \$80.15.

**WE LIVE IN TWO WORLDS (TFC)**

j-h-c 11 minutes B&W: \$1.65  
With J. B. Priestley the narrator, this film points out that we cannot escape living in two worlds, the international as well as the national. By means of maps, animation, and vivid scenes of people and events, the world of national frontiers bristling with arms is contrasted with another world of universal trade, modern transportation and communication. Switzerland is chosen as a specific illustration of the theme. A compelling argument for a better understanding between nations and a forceful plea for peace. *Restricted to Classroom Use.*



**WE MAKE A FIRE (ELEMENTARY PHYSICAL SCIENCE) (EB)**

i 9 minutes B&W: \$2.15  
A Saturday picnic not only provides fun and enjoyment to the children but also provides an opportunity to observe the process of fire making and the scientific principles involved. Demonstrates the need for fire control and conservation. Shows the dangers involved when fire is out of control.

**WE MAKE BUTTER (YA)**

p 11 minutes B&W: \$2.15  
Dick and Jane visit Cousin Billy's farm, and they learn from Aunt Ruth how butter is made. Each of the three children, with his own jar of milk, makes some butter under Aunt Ruth's supervision. Then all three watch as she makes butter.

**WE PLAN TOGETHER (TC)**

h-c-a 22 minutes B&W: \$3.65  
Prepared to help teachers-in-preparation and teachers-in-service, as well as interested students, gain a better understanding of the process of cooperative planning in education. It shows an eleventh grade group at the Horace Mann-Lincoln School, New York City, planning a core program cooperatively over a period of several months.

**WE PLAY AND SHARE TOGETHER (BFS)**

p 10 minutes B&W: \$2.15  
Susan, Irene, and Michael are playing in the schoolyard. At first Susan and Irene refuse to let Michael share their play. However, they soon find that it is more fun when everyone plays and shares together.

**WE SAID WE'D COME BACK (OWI)**

h-c 14 minutes B&W: \$2.15  
Tells the story of the Navy's fight in the Pacific. The assembly of the greatest sea power in the world is pictured. There are active combat shots of the latest ships, planes and weapons in action. Admiral King, in opening the film, reports on the enormous complexity and size of the fleet and its huge cost.

**WE SAW IT HAPPEN (PW)**

j-h-c-a 58 minutes B&W: \$2.15  
Shows 50 years of progress in the flight world. Rickenbacker, Spaatz, Boeing, Doolittle and others recall some great moments in aviation.

**WE, THE PEOPLES (YA)**

i-j-h 7 minutes B&W: \$2.15  
This provocative, documentary film is a presentation of the story of the United Nations Charter. It shows how man's desire for peace and human rights and his abhorrence of wars led to the need for and the formulation of the United Nations Charter.

**WE USE POWER (CW)**

p-i 10 minutes B&W: \$2.35  
Long years ago people did all their work with muscle power alone. But Joan and Jimmy have other power to help them: the power of wind, water, steam, electricity; the power of burning gases in gasoline, diesel and jet engines. The various kinds of power are explored in the film through experiments performed by the children.

**WE VISIT THE SEASHORE (YA)**

p 10 minutes B&W: \$2.15  
Jimmy shows his little cousin Jane the sights of the seashore. Jimmy catches a fish; the children take a boat ride, build a sand castle, and look for sea shells.

**WEALTH OF THE ANDES (OIAA)**

i-j-h-c-a 21 minutes Color: \$4.15  
The economy of Peru is largely dependent upon the mineral resources of that country. The importance of this industry is brought out as well as the degree to which refining has been developed for the purpose of processing the minerals taken from the mines. The scenic beauty of the country is brought out to good advantage by Kodachrome.

**WEARING AWAY OF THE LAND (EB)**

j-h-c 10 minutes B&W: \$2.15  
Shows how rocks are decomposed; how caves and sink holes are made; how glaciers are formed and the work they do; how blowing sand erodes the surface of the earth; and how the waves are reshaping the coast line. The geological facts are illustrated with scenes taken all over the world.

**WEATHER, THE (EB)**

j-h-c 11 minutes B&W: \$2.15  
The Polar Front Theory is explained and meteorological instruments and methods including thermometers, barometers, anemometers, pilot balloons, and radiosonde equipment are described. Animated photography portrays solar radiation, atmospheric circulation and cyclone wave phenomena.

**WEATHER (GA)**

p 10 minutes B&W: \$2.15  
We study the reasons behind the wind, heat, clouds, and rain and learn how the weather is forecast. Illustrated in simple understandable terms, we see how the weather affects our daily life.

**WEATHER FOR THE NAVIGATOR (CAA)**

j-h 9 minutes B&W: \$2.15  
Illustrates the assistance rendered to navigators by the radio which has made each navigator a member of a vast network of observers, each sending his own limited observations to professional forecasters at the weather centrals.

**WEATHER RESEARCH (THE SEARCH) (CBS)**

c-a 27 minutes B&W: \$5.65  
Viewers fly aboard a weather plane through a rough thunderhead and a hurricane. Researchers record and analyze weather data.

**WEATHER SCIENTISTS (UW)**

i-j 14 minutes Color: \$4.70  
This film provides a basic understanding of the function of the weather scientist and of the instruments he uses to obtain and correlate weather information.

**WEATHER STATION, THE (YA)**

i 10 minutes B&W: \$2.15  
A discussion on how the weather station gathers data on the weather, the instruments it uses for gathering this data, and how the weather is forecast from such data.

**WEATHER WIZARDS (TFC)**

i-j-h 10 minutes B&W: \$1.65  
A montage of blizzards and rainstorms is used to introduce the scientific equipment of the modern weather bureau. Shows the value of the weather bureau to agriculture, using the California citrus industry as a specific illustration. *Restricted to Classroom Use.*

**WEAVERS OF THE WEST (AV)**

j-h-c-a 10 minutes Color: \$3.80  
The Navajo rug is a tapestry found nowhere else in the world. We visit Northern Arizona and New Mexico, where through centuries the Navajos have lived simply as shepherds. Children bring in the flocks for spring shearing. Wool is washed, carded and spun. On a primitive loom, the intricate pattern of a rug unfolds. We visit a trading post as the completed blanket is sold, and then watch a Squaw Dance.

**WEBSTER'S SACRIFICE TO SAVE THE UNION (YOU ARE THERE) (CBS)**

j-h-c-a 27 minutes B&W: \$5.85  
March 7, 1850, Washington is the scene of a growing crisis over the slavery issue. Senator Daniel Webster sacrifices his political career when he throws his full support to Henry Clay's compromise bill to admit California into the Union as a free state and leave the new territories free to choose whether they will be free or slave. An important moment in America's political history.

**WEED KILLER (SCIENCE REPORT) (UI)**

h-c-a 4 minutes B&W: N.C.  
Dr. Fred W. Slife, Associate Professor of Crop Production at the University of Illinois is shown here doing research with a new type of weed killer on various kinds of agricultural plants.

**WEEK THAT SHOOK THE WORLD (20th CENTURY) (CBS-McGH)**

j-h-c-a 28 minutes B&W: \$5.35  
Depicts the events of the period between August 23, 1939, when Russia and Germany signed their non-aggression pact, and Germany's march into Poland on September 1, 1939.



## **WEFT SYSTEM OF AIRCRAFT IDENTIFICATION, THE: PART I, BASIC CHARACTERISTICS (USN)**

j-h-c 11 minutes B&W: \$2.15

Models are used to explain the WEFT system of aircraft recognition, which depends upon the examination of wings, engine, fuselage, and tail assembly—the first letters of each furnish the name WEFT.

## **WEFT SYSTEM OF AIRCRAFT IDENTIFICATION, THE: PART II, SPECIAL CHARACTERISTICS (CAA)**

h-c 7 minutes B&W: \$2.15

Describes the secondary features of wings, engines, fuselage, and tail that are helpful in the identification of aircraft.

## **WEIGHING WITH THE ANALYTICAL BALANCE (EB)**

j-h 19 minutes B&W: \$3.40

Explains the various parts of the precise analytical balance and demonstrates the basic principles and procedures involved. Shows a complete weighing process.

## **WEIGHT EVENTS (EB)**

j-h 10 minutes B&W: \$2.15

Demonstrates champion form in the shot put, discus throw, hammer throw, and javelin events. Slow-motion photography facilitates careful study of correct form. Correct beginning stance, body poise, grip, and foot and leg action are emphasized.

## **WEIGHTS AND MEASURES (EB)**

i-j 14 minutes B&W: \$3.40

Tommy learns why we use weights and measures and some of the various ways in which they may be put to use to aid us in our everyday work.

## **WELDING (JH)**

h-c 19 minutes B&W: \$3.15

Introduces the welder's tools and equipment. The correct method to get a flame is shown and explained, as are the three types of flames which can be obtained. Flat ripples are made on steel sheets to show the way to hold the torch, and a bead is welded, illustrating the way the welding rod should be handled. The film closes with instructions on how to finish the job and put away the welding equipment.

## **WELDING OPERATOR (VGF)**

j-h-c 11 minutes B&W: \$2.15

Welding, of which oxyacetylene and arc welding are the principal types used in industry, is so important that today it is recognized as a trade in itself. Explained in this film are the problems involved in the use of this equipment, the kind of welding performed, the necessary knowledge and physical requirements, and the various opportunities open to a good welding operator.

## **WELFARE OF THE WORKER (BIS)**

h-c-a 9 minutes B&W: \$2.15

Shows the high standards of working conditions in England during World War II, including those standards affecting ventilation and light, food, hours, recreation, and safety.

## **WELL-OILED (UW)**

p-i 7 minutes B&W: \$1.65, Color: \$2.55

Woody Woodpecker runs out of gas and gets into trouble with the law.

## **WELTON—A HEALTHY COMMUNITY (UWA)**

h-c-a 31 minutes Color: \$7.65

By explaining the way which one diphtheria case was quickly tracked down, isolated, and kept from spreading, the film gives a picture of how a modern, full-time public health department serves the community.

## **WE'RE ON THE SPOT (PTC)**

j-h-c 11 minutes B&W: \$1.65

Depicts common hazards found in industrial plants. Shows proper use of tools, machine guards, clothes, goggles and first aid.

## **WEST INDIES, THE (EB)**

i-j-h 11 minutes B&W: \$2.15

Documentary material concerning the geography and climate of the West Indies and the story of its peoples and their present-day activities is presented. Photographic sequences

depict the economic activities of the region, including agriculture, manufacturing, commerce and transportation. The economic interdependence of the West Indies with other parts of the world, including its imports and exports, is shown on animated maps.

## **WEST INDIES, THE (GEOGRAPHY OF THE AMERICAS) (C)**

i-j 10 minutes Color: \$3.40

Shows the varied population, terrain, resources, and economic opportunities. Shows old traditions and customs as well as how modern equipment is helping various industries.

## **WEST POINT TODAY (McGH)**

j-h-c-a 17 minutes B&W: \$3.65

Surveys the history of West Point Military Academy and the various kinds of training received there. Presents highlights of the careers of several famous military leaders who graduated from the Academy.

## **WESTERN EUROPE: AN INTRODUCTION (C)**

i-j-h 11 minutes B&W: \$2.15, Color: \$3.40

Presents the complexity of eleven various countries in Western Europe; the dense population; the careful and varied uses of the land in relationship to the climate; the importance of trade and manufacturing; and the close link between the history and geography of Europe to the Western world.

## **WESTERN GERMANY: THE LAND AND THE PEOPLE (C)**

i-j-h 11 minutes B&W: \$2.15, Color: \$3.40

Shows the relationship of the industrial, agricultural and commercial life to the dense population, and relatively infertile soil, together with the importance of coal, trade, and synthetic products in the industrial development of Western Germany.

## **WESTERN SHEEP (UPRR)**

j-h-c-a 21 minutes Color: \$2.15

Features scenic shots in the high country and new methods used in the west in the producing and handling of sheep.

## **WESTMINSTER ABBEY (P)**

h-c-a 10 minutes B&W: \$1.50

Among tombs of kings and queens is the shrine of St. Edward, the founder of the Abbey. The vaulted roofing and flying buttresses are remarkable architectural features. The coronation stone and chair and the unknown soldier's tomb are links with modern history.

## **WESTWARD BY PRAIRIE SCHOONER (TFC)**

i 9 minutes B&W: \$1.65

This is a film excerpt from BRIGHAM YOUNG, showing the life of pioneers in a covered wagon train en route westward. Portrays the children doing lessons in a wagon converted into a schoolroom; women doing the washing, cooking, driving, and cattle herding; the men serving as scouts, drivers, cobblers, and hunters. *Restricted to classroom use.*

## **WESTWARD GROWTH OF OUR NATION (1803-1853) (C)**

i-j 11 minutes Color: \$3.60

In the half century from 1803 to 1853, the United States extended its territory from the Mississippi to the Pacific. This is the exciting story of that expansion—of the struggles and conflicts, of the treaties signed, and of the brave pioneers who explored and settled the West. The film also shows how the various regions—the Louisiana Territory, Texas and the great Southwest, and the Oregon country—became a part of our nation.

## **WESTWARD MOVEMENT, THE (EB)**

i-j-h 10 minutes B&W: \$2.15

The story of the westward movement from 1790 to 1890 is portrayed in its geographic setting. In this picture the events unfold in proper chronological order. Among the topics developed are: territorial expansion, routes of migration and transportation, increase and distribution of population, extension of settlement, admission of states to the union, and the mining and cattle frontiers.

## **WESTWARD MOVEMENT: AMERICAN LITERATURE (C)**

j-h-c 11 minutes B&W: \$2.25, Color: \$3.60

This film enables students to see how the people and themes of the westward movement have served as a source of material



for writers from the early nineteenth-century to the present day. Scenes characteristic of the adventurous spirit of the movement are combined with quotations from the works of poets, historians, and novelists.

### WET LANDS (USDA)

**h-c** 11 minutes **B&W: \$2.15**  
This picture shows where our 120 million acres of wet land are located. It points out that 78 million of these acres will serve us best if left in their natural state for the protection of timber and the preservation of wildlife. Thirty-one million acres are shown to be suited to farming if properly drained. Illustrates briefly the principal types of water control and methods of land drainage.

### WET MOUNTING PICTORIAL MATERIALS (IU)

**j-h-c-a** 11 minutes **Color: \$3.40**  
Demonstrates the step-by-step process of wet mounting materials on a cloth backing, using wheat paste. Suggests appropriate subject matter areas and indicates several methods of displaying completed mountings.

### WHALES AND WHALERMEN (PHP)

**i-j-h-c-a** 22 minutes **Color: \$6.45**  
Depicts a whale hunt in the Indian Ocean off the coast of South Africa. Shows life on board the whaler and the events incident to the finding and killing of these mammals. Explains that whaling is an important industry centered at the Port of Durban in South Africa.

### WHAT ARE DECIMALS? (IFI)

**i-j** 11 minutes **B&W: \$2.15**  
Decimals are explained by the use of examples from everyday life. The emphasis is put on the physical significance of the measurements or quantities discussed.

### WHAT ARE FRACTIONS? (IFI)

**i-j** 11 minutes **B&W: \$2.15**  
Shows how to write a fraction; explains the meaning of numerator and denominator; and demonstrates how to determine the value of a fraction.

### WHAT ARE STARS MADE OF? (IFB)

**j-h** 16 minutes **Color: \$5.30**  
We see the astronomer using the big 200-inch Hale telescope at Palomar Mountain and adjusting his spectrographic equipment. We see the importance of his work away from the telescope. Working almost like a detective, the astronomer studies the clues in his photographs of star spectra, often called the "fingerprints of the stars." The investigation of a distant star cluster ends with surprising results for the astronomer.

### WHAT ARE THINGS MADE OF? (C)

**i-j** 11 minutes **Color: \$3.60**  
Beginning with the concept that matter is anything that has weight and occupies space, this film further defines and explains the composition of matter and its three states: solid, liquid, and gas. We find that matter consists of atoms and molecules and learn the difference between an element and a compound. We also see that matter can be changed chemically and physically.

### WHAT CAUSES THE SEASONS? (YA)

**i-j** 11 minutes **B&W: \$2.15**  
This film uses models and animation to demonstrate, in terms that young students can understand, how the inclination and revolution of the earth cause our changing seasons.

### WHAT DO WE SEE IN THE SKY? (C)

**p** 10 minutes **B&W: \$2.35, Color: \$3.40**  
Freddie is curious about things he sees in the sky. With father's help, he learns about the sun, moon, planets, stars, and constellations—their relative sizes and distance from the earth, their light, and something of their composition. While learning about the sky, he begins to appreciate its beauty and wonders.

### WHAT GREATER GIFT? (NEA)

**h-c-a** 28 minutes **B&W: \$2.35, Color: \$7.15**  
A high school girl, contemplating teaching as a career, sees classroom scenes, and learns of the professional preparation, understanding and skills essential to good teaching.

### WHAT IS A CITY? (BFS)

**i** 11 minutes **B&W: \$2.15**  
Presents many scenes of large cities and emphasizes that the people are the most important part of any city. Explains the location and growth of cities. Pictures the more important activities of a city with emphasis on the selling, producing, and shipping of goods.

### WHAT IS A CONTRACT? (C)

**h-c** 10 minutes **B&W: \$2.15**  
Shows the importance of a thorough understanding of contracts. Clarifies the basic element of both oral and written contracts, the need for contracts, their binding nature upon all parties concerned, and legal bargain and consideration.

### WHAT IS A CORPORATION? (C)

**j-h-c** 10 minutes **B&W: \$2.15**  
The film differentiates the three principal forms of business ownership: single proprietorship, partnership, and corporation. A basic vocabulary for the study of business ownership is introduced. The emphasis is on corporate ownership.

### WHAT IS A FARM WORTH? (FCA)

**c-a** 18 minutes **Color: \$2.15**  
Shows how to evaluate a farm in terms of its soil, drainage systems, pasture for livestock, extent of erosion, water supply, condition of the buildings, and its location in terms of school, stores, and other community facilities.

### WHAT IS A MAP? (YA)

**i** 10 minutes **B&W: \$2.15**  
By use of animation and special photographic techniques, the concept of maps is introduced and explained, first in the terms of a plan of a living room, then in the terms of a map of the neighborhood.

### WHAT IS ART? (EB)

**p-i** 6 minutes **Color: \$2.15**  
Illustrates elements in art such as color, line, texture, form, light, and dark to encourage children to discover the basic elements of the world around them, to find new relationships, to experiment with a variety of materials and to understand what the elements mean in terms of art.

### WHAT IS BIOLOGY? (EB)

**i-j** 10 minutes **B&W: \$2.15**  
Trying to understand living things, Jean and Peter define biology as "life study." They look at life about them—insects, microbes, plants, animals—anything that lives. They discover that botanists, zoologists, entomologists, anatomists, physiologists, and many others are called biologists.

### WHAT IS BUSINESS? (C)

**j-h-c** 9 minutes **B&W: \$2.15**  
Takes students into the world about them to show them how great the contribution of business is to modern living. Familiar services and goods are used to demonstrate the consumer demand in our profit-motivated economic system.

### WHAT IS CHINA? (TFC)

**i-j-h-a** 22 minutes **B&W: \$3.65**  
An over-all survey film on the Republic of China. A map shows the size of China as well as the geographical sections. Sequences emphasized are the peoples, history, development, and change in China. The beginning and end sound track carry a chorus singing the Chinese National Anthem. *Restricted to classroom use.*

### WHAT IS CLOTH? (C)

**j-h** 11 minutes **B&W: \$2.15**  
Develops a soundly motivated interest in the study of textiles and provides a broad background of basic information on the subject. Shows the scientific basis for firmness of weave, durability, luster, heat conductivity, cleanliness and washability.

### WHAT IS CONSCIENCE? (C)

**j-h-c-a** 10 minutes **B&W: \$2.15**  
The purpose of this film is to help the audience discover for themselves the many effects of conscience and how each can use his conscience to improve his own mental health. Different explanations of conscience are presented, and dramatic incidents of the workings of conscience are developed to give the audience a background for study and discussion.



**WHAT IS DISEASE? (UW)**

i-j 11 minutes Color: \$2.70  
Using animation, this film presents illustrations to show how disease enters the body. Explains that harmful microbes may be air borne, water borne, transmitted by insects, or even harbored in the soil. Use of the microscope to study microbes is included. A Walt Disney Production.

**WHAT IS ELECTRICITY? (EB)**

j-h 14 minutes B&W: \$3.15  
Presents classical electrostatic and electromagnetic experiments of Oersted and Faraday. Provides background for studying the nature of electricity. Explains through diagrams the organization of atoms.

**WHAT IS FOUR? (YA)**

p-i 15 minutes B&W: \$2.15  
Helps develop the meaning of numbers. The number "four" is presented in concrete situations familiar to children. The second part is for slightly more advanced children. It introduces concept of abstract numbers and of addition and subtraction.

**WHAT IS MODERN ART? (R)**

h-c-a 22 minutes Color: \$6.15  
Both the traditional and the modern point of view are presented through the attitude of a girl who is outraged by modern painting, and a painter who tries to convey why modern artists paint in their particular styles. The audience is not given a "pat" answer but an attempt is made to stimulate further thought about the approaches. Shows paintings by van Gogh, Picasso, Mondrian, Dali, Miro, and others. The scene is the Museum of Modern Art's Penthouse, a gathering place for the members of the museum.

**WHAT IS MONEY? (C)**

j-h 11 minutes B&W: \$2.15  
A film designed to establish three basic concepts: (1) what money is, (2) why money is used, and (3) how it can be used. It also contrasts present standard money with primitive systems of barter.

**WHAT IS SCIENCE? (C)**

i-j 10 minutes B&W: \$2.15  
Designed as an introduction to the study of science. In simple story, it presents the application of the "scientific method," which includes five major steps: curiosity, observation, hypothesis, testing of hypothesis and conclusion.

**WHAT IS SOIL? (IFI)**

i 10 minutes B&W: \$2.15  
Develops, step-by-step, through demonstration and experimentation, an understanding of soil and soil formation.

**WHAT IS SOUND? (YA)**

i-j-h 10 minutes B&W: \$2.15  
Photography, animation, and synchronized sound are combined in this film to demonstrate what causes sound, how sound waves travel, and why sounds differ.

**WHAT IT MEANS TO BE AN AMERICAN (F)**

i-j-h 22 minutes Color: \$5.65  
Depicts two families with children of different ages, and illustrates how they meet some of their problems from childhood through high school. The children make good and bad decisions. Accentuates our educational opportunities, our chances to get ahead, and to serve and be a part of our communities.

**WHAT MAKES A BATTLE? (OWI)**

h-e 15 minutes B&W: \$2.15  
It takes a masterpiece of strategy to get supplies and human power coordinated when forces of land, sea, and air unite to strike blows that bring us nearer victory. Such a masterpiece was the battle of the Marshall Islands where each success meant another battle and wounded and casualties everywhere. Here out of ten thousand Japs only 264 surrendered.

**WHAT MAKES A DESERT? (YA)**

i-j 11 minutes B&W: \$2.15  
Explains and illustrates the geographic and climatic factors that create a desert area, with reference to deserts of the southwest United States. Shows the factors of prevailing winds and mountain barriers. Points out how desert land can be reclaimed by irrigation.

**WHAT MAKES A GOOD PARTY? (C)**

j-h-c-a 9 minutes B&W: \$2.15  
Shows the elements of a good party: an understanding of the purpose, planning the guest list, refreshments and games. Presents the skills of having a successful party and highlights the duties of the host and guest that make a party a "hit."

**WHAT MAKES DAY AND NIGHT? (YA)**

p-i-j 8 minutes B&W: \$2.15  
Why we have alternation of day and night as well as the reason why the sun can shine only on one-half of the earth at a time is shown in this film.

**WHAT MAKES RAIN? (YA)**

p-i 8 minutes B&W: \$2.15  
The concepts of evaporation and condensation as they apply to the water cycle are explained.

**WHAT MAKES THINGS FLOAT? (YA)**

i-j 8 minutes B&W: \$2.15  
Two young boys learn why and under what conditions an object will float in water.

**WHAT MAKES US GROW? (NFBC)**

i-j 11 minutes B&W: \$1.90  
Experiments with rats show the harmful results of vitamin deficiencies, and children are advised to eat more eggs, fresh vegetables, and fruit. Emphasizes that a well-rounded diet is essential for proper growth.

**WHAT OUR TOWN DOES FOR US (C)**

p-i 10 minutes Color: \$3.40  
When Billy goes to the town hall to buy a bicycle tag, he sees the services provided the community by its government. Billy's tour shows how community governments are organized and how taxes support the community government.

**WHAT PLANTS NEED FOR GROWTH (EB)**

p 11 minutes Color: \$3.80  
Simple experiments are performed to illustrate the basic needs of plants—water, light, air, minerals, and warmth.

**WHAT THE FROST DOES (BACKGROUND FOR READING AND EXPRESSION) (C)**

p-i 10 minutes B&W: \$2.15, Color: \$3.40  
A little boy finds a pumpkin in his father's field and eagerly watches for frost time to pick it. Signs of seasonal changes and the effects of frost are depicted.

**WHAT TIME IS IT? (C)**

p 10 minutes B&W: \$2.15  
A seven-year-old girl learns how to read the clock and the calendar. The film uses many participation devices and shows how the ability to tell time helps us to work together.

**WHAT TO DO ON A DATE (C)**

j-h-a 10 minutes B&W: \$2.15  
A typical high school student learns that there are many things to do on a date. The film shows how to plan dates that satisfy both the boy and the girl. It shows the wide range of activities available to high school students who want to make dating an entertaining, enjoyable and constructive social custom.

**WHAT WE EAT WE ARE (A)**

j-h-c-a 17 minutes Color: \$2.15  
Stresses the importance of properly planned diets. Shows a variety of salads, desserts and special dishes using bananas for supplying nourishment and attractiveness.

**WHAT'S INSIDE THE EARTH? (FA)**

i 15 minutes Color: \$4.40  
Explores the interior of the earth, indicating and illustrating the methods men use to determine the earth's structure. The film provides an exciting and interest-provoking introduction to the earth sciences.

**WHAT'S SO IMPORTANT ABOUT A WHEEL? (JF)**

p-i 10 minutes B&W: \$2.15  
Explains the scientific principle of the wheel, traces its historic development and challenges the student to observe more keenly the part wheels play in the world in which he lives.



**WHAT'S UNDER THE OCEAN? (FA)**

i-j 14 minutes Color: \$4.80

This film discusses the many ways Scientists study the ocean. Cameras are used to study the shallow depths, special craft like a bathyscaph are used in the deepest areas, and ships equipped with special instruments designed for research are used to map and study materials found on the ocean floor. Mountain ranges as well as volcanoes have been found under the ocean.

**WHEAT COUNTRY (EB)**

i-j-h-c-a 20 minutes Color: \$7.45

At the turn of the century the great land rush had begun; there were millions of acres to be had for the asking. Prairie schooners brought thousands of homesteaders from the East to claim their land, and soon the "wheat boom" was on. The camera recalls the dust storms of the thirties. And in striking contrast, the film reveals the wheat farmer's life today. Farming has become big business with the biggest risk always the same—the weather.

**WHEAT FARMER, THE (2nd EDITION) (EB)**

i-j-h-a 14 minutes B&amp;W: \$2.95, Color: \$4.15

Describes the daily life of a wheat farmer and his family in a typical midwestern area. Shows how the soil is prepared, how winter wheat is planted, and other activities such as milking cows, attending a 4-H Club meeting, hiring and feeding harvest hands, harvesting the grain, and finally transporting it to the elevator.

**WHEAT RUST (EB)**

h-c-a 15 minutes Color: \$5.00

Provides an excellent basis for understanding the complex life history of a parasitic plant: stem rust of wheat. This fungus must live on two host plants. Film points out that man has brought this major threat upon himself by massing together vast areas of wheat, and has disturbed the natural balance of life. However, the film also shows how man works to control the fungus through breeding new strains of wheat with rust-resistant qualities, as well as characteristics which make the wheat crop healthy for all purposes.

**WHEAT SMUT CONTROL (UPRR)**

j-h-c-a 10 minutes Color: \$2.15

An animated film designed for the wheat grower, covering the proper steps to follow in controlling smut in wheat.

**WHEAT, THE STAFF OF LIFE: PART I—WHEAT GROWING (IFI)**

i-j-h 8 minutes B&amp;W: \$2.15

The growing of wheat: preparation in plowing and discing, planting, reaping and threshing, and delivery to the local grain elevators. Microphoto sequences show the germination of wheat.

**WHEAT, THE STAFF OF LIFE: PART II—MILLING (IFI)**

i-j-h 10 minutes B&amp;W: \$2.15

Follows wheat production through one of the world's largest mills, showing the processes of cleaning, tempering, milling, grading, and packaging of flour.

**WHEAT, THE STAFF OF LIFE: PART III—USE FOR MEN AND ANIMALS (IFI)**

i-j-h 10 minutes Color: \$2.15

Discusses the reason for feeding wheat bran to farm animals and the values and limitations of wheat products in the human diet. Shows the making of macaroni, noodles, and spaghetti; the complete process of breadmaking in a large bakery; and some steps in making doughnuts, cakes, and cookies in large quantities.

**WHEEL, AXLE, AND PULLEY (JUNIOR SCIENCE SERIES) (McGH)**

j 11 minutes B&amp;W: \$2.15

Explains how to make a wheel and axle, and how a wheel and axle multiply force or speed. Shows how a pulley is used and its various types. Demonstrates how wheels, axles, and pulleys are used in everyday life.

**WHEEL CHAIR KITCHEN (UI)**

j-h-c-a 4½ minutes B&amp;W: N.C.

Shows a work-simplification kitchen which has been specially designed for women who are confined to wheel chairs. These kitchens have been designed after careful research by the housing research laboratory of the Department of Home Economics.

**WHEN SHOULD GROWNUPS HELP? (NYU)**

c-a 13 minutes B&amp;W: \$2.65

Four episodes in which an adult may not have intervened to assist the child are shown in the film. Intended to stimulate discussion on the issue and to provide an exercise in the observation and recording of behavior.

**WHEN SHOULD GROWNUPS STOP FIGHTS? (NYU)**

c-a 17 minutes B&amp;W: \$3.40

In this film, introductory sequences point out that fights, quarrels, and conflicts occur even in nursery schools which provide a peaceful and satisfying setting for the development of young children. Four different episodes are shown which involve conflicts among two-to-five-year-olds, but the resolution of these conflicts is not shown. The audience is invited to discuss the issues raised. The four key episodes are then repeated.

**WHEN SHOULD I MARRY? (McGH)**

h-c-a 19 minutes B&amp;W: \$4.40

A young couple, eager to marry but urged by their parents to delay, ask a minister's advice. He describes the experiences of two other couples who married at an early age. From this description, he is able to summarize some practical points that should be of help to all young people in answering the question of when to marry.

**WHEN THE WIND BLOWS (HR)**

p-i 19 minutes B&amp;W: \$2.65

Howling winds, spooks, haunted houses, comical policemen, and Hal Roach's Famous Kids all in one side-splitting reel. Just about everything happens when the wind blows and poor Jackie Cooper gets the worst of it, as usual.

**WHEN YOU ARE A PEDESTRIAN (PRP)**

j-h-a 10 minutes B&amp;W: \$1.65

Shows scenes of serious accidents which have resulted from carelessness by pedestrians and then gives examples of good safety rules for pedestrians. Includes both the pedestrian's and motorist's responsibilities to prevent accidents.

**WHERE DO OUR LETTERS GO? (C)**

p-i 11 minutes Color: \$3.40

Planning a surprise party for Jerry's birthday, his mother and sister mail invitations to Jerry's friends. Seeing how the invitations are prepared for mailing, how they are handled at the post office, and how they reach their destinations helps children understand the workings of our postal system.

**WHERE DOES OUR FOOD COME FROM? (C)**

p-i 10 minutes Color: \$3.40

Helping his father in the grocery store, Dickie wonders where our foods come from. The men who deliver dairy products, meats, and fresh fruits and vegetables help him learn of the places where our foods are grown and processed and of the people who work together to bring them to us.

**WHERE DOES OUR MEAT COME FROM? (C)**

p-i 11 minutes Color: \$3.60

Visiting Uncle Phil's feeder farm, Wes and Emily want to know where our meat comes from. Uncle Phil explains, and the film shows, that the story of meat starts in the western range country, and is continued on the corn-belt feeder farms. We see the livestock going on from there to the stockyards and packing plants. The processed meat is then taken by refrigerated railway cars to the local market from which we purchase it and bring it into our homes.

**WHERE MILEAGE BEGINS (REVISED) (GM)**

general 26 minutes Color: \$4.85

This film shows the complete construction and operation of the modern automobile motor. Step by step the various parts are assembled and their functions explained. The four stroke cycle, compression ratio, cooling system, electrical system, transmission, and other automobile parts are explained.

**WHERE ON EARTH? (UW)**

j-h-c-a 8 minutes B&amp;W: \$1.65

A geography quiz game in which scenes of various places of interest throughout the earth are shown, and questions are asked about them. The audience has five seconds to answer each question.



**WHERE THE TIGER PROWL (McGH)**

i-j-h 17 minutes Color: \$5.50

An excellent picture of rural life in India and of the tigers that are a constant menace to the small village. The film includes scenes of the tiger in his native environment and shows some methods used in photographing and capturing the animal.

**WHERE THERE'S SMOKE (SD)**

p-i 10 minutes B&amp;W: \$2.35

This film shows an actual fire in a house and then traces the origin of the fire and explains how it was started by spontaneous combustion. Many possible causes of fire are illustrated and ways of avoiding the possibility of the danger. Finally we see in detail, how the fire department answers the call to the fire and go to work to control and extinguish the blaze.

**WHERE WILL YOU HIDE? (EB)**

j-h-c-a 19 minutes Color: \$6.15

By showing homes blown to pieces, people dying of disease and plague, and a world destroyed by war, this film illustrates that there is no alternative for us but peace. Its message can be the basis for intelligent thought and action to prevent the holocaust which it presents with such breathless realism.

**WHICH WAY THIS TIME? (OPA)**

j-h-c-a 10 minutes B&amp;W: \$2.15

Shows how disastrous inflation during and after World War II was prevented by government controls. Draws lessons from history to show why inflation still threatens the economy of the United States.

**WHISPERS (TFC)**

j-h-c 11 minutes B&amp;W: \$1.65

This subject concerns organized whispering campaigns and the spreading of rumors for commercial purposes. A case is cited wherein an honest, public-spirited citizen attempts to rebuild the slum section of a large city. But forces in the city, to whom civic improvements mean financial loss, start a vicious whispering campaign which not only defeats the project, but ruins the honest citizen's reputation. *Restricted to classroom use.*

**WHISTLE IN THE NIGHT (McGH)**

j-h-c-a 14 minutes B&amp;W: \$2.15

The story of America's railroads showing the little-known activities that are vital cogs in the smooth operation of the network of rails which criss-cross the country.

**WHITE CONTINENT (BIS)**

j-h-c-a 19 minutes Color: \$5.15

The detailed planning of a joint Norwegian-British-Swedish expedition to Queen Maud Island in the Antarctic. This is an account of the first stage of the Expedition's journey from its departure from Europe towards the end of 1949, to the establishment of the base camp and the departure of the ship's party, leaving the wintering party behind.

**WHITE FLOOD (BRF)**

j-h-c-a 17 minutes B&amp;W: \$3.35

Tells the life story of a glacier from its birthplace in the mountains to the day when it floats into the sea.

**WHITE HOUSE (RKO)**

i-j-h-c-a 15 minutes B&amp;W: \$3.40

Gives a pictorial trip through the home of the President of the United States.

**WHITE HOUSE, THE: PAST AND PRESENT (C)**

i-j-h 13½ minutes Color: \$4.50

This film captures the drama and history of America's past which is embodied in our nation's Executive Mansion. The camera takes us into famous rooms and offices seldom seen by the public. From the original plans to the expanded and remodeled mansion of today, the film traces the story of this world-famous building and the presidents for whom it has served as home and office.

**WHITE HOUSE STORY (SF)**

j-h-c-a 40 minutes B&amp;W: \$8.55

A complete story of the White House is interestingly portrayed by using sketches, paintings, and photographs of American history. Every President who has lived in the White House has left some reminder of his times in this building.

PART ONE: 1790-1881. This part shows earliest designs of the White House, the burning of the President's residence, some of the pictures of Lincoln's family life there and other residents of the building. PART TWO: 1885-1961. These residents of the White House are among those mentioned: Cleveland, Theodore Roosevelt, FDR, Eisenhower, and J. F. Kennedy.

**WHITE PINE BLISTER RUST (USDA)**

h-c-a 18 minutes Color: \$2.15

This insidious disease entered the United States at the beginning of this century. The film shows the areas affected; the complete life cycle in association with currant and gooseberry plants; how the disease enters and kills white pines; and the effective control measures being used to protect our native white pines in the 39 states in which they grow.

**WHO ARE THE PEOPLE OF AMERICA? (C)**

j-h-c-a 10 minutes B&amp;W: \$2.15, Color: \$3.40

A simple, dignified film built around the theme that the people of America are the peoples of the world who have come here at many different times and for many reasons and have become fused, through common interests and experiences, into a new people—the people of America.

**WHO IS SYLVIA? (IFB)**

h-c-a 29 minutes B&amp;W: \$5.15

A sensitive study of the dreams, fears, hopes of a 14-year-old girl and of her relationships with her family, school, and friends. Uses as a catalyst the impromptu and unchaperoned get-together of the "gang" after school.

**WHO MAKES WORDS? (C)**

i-j 10 minutes B&amp;W: \$2.15

The class in the film investigates the source of words and discovers that some are "borrowed," some are "invented," and still others come about through changes in spelling or meaning. Through their search they learn the important means by which our language grows.

**WHO SHOULD DECIDE? (AREAS OF PARENTAL AUTHORITY) (C)**

j-h 11 minutes B&amp;W: \$2.25

Bill and Susy, like other adolescents, find that their own decisions and desires frequently conflict with those of their parents. This film deals with the most typical problems faced by teen-agers. By raising questions concerning areas and degree of parental influence, the film provides a stimulating basis for discussion for students, parents, or parent-student groups.

**WHO WILL TEACH YOUR CHILD? (McGH)**

c-a 22 minutes B&amp;W: \$3.90

Raises three important questions of the teaching profession: (1) How can we attract people of superior ability to teaching? (2) How should these people be trained? (3) Once trained, how can they be persuaded to stay in the profession? Flashbacks are then made to classrooms where we see teachers in actual situations and watch them cope with the day-to-day problems of helping young minds in their development.

**WHO'S COOKING WHO? (WOODY WOODPECKER) (UW)**

p-i 6 minutes B&amp;W: \$1.70

Winter brings the wolf to Woody's door and the panic is on.

**WHO'S DELINQUENT? (McGH)**

h-c-a 15 minutes B&amp;W: \$3.65

The newspaper of an American town investigates the causes of juvenile delinquency in its community. Many inadequacies are found and the people finally meet in an effort to solve the problem.

**WHY? (JO)**

h-c-a 16 minutes Color: \$5.00

Gives a highly effective message on school fire safety. Shows actual scenes of rescue in fire fighting operations at a Chicago parochial school fire in which 94 pupils and teachers died.

**WHY CAN'T JIMMY READ? (SU)**

c-a 18 minutes B&amp;W: \$3.65

Follows Jimmy, a nine-year-old with reading difficulties, through successive remedial procedures of the Syracuse University Reading Clinic. Emphasizes the importance of parent-teacher-clinic cooperation.



**WHY FOODS SPOIL (EB)**

i-j 17 minutes B&amp;W: \$2.90

After a brief review of ancient methods of preserving foods, the film describes the works of molds, yeasts and bacteria. It explains how they grow and multiply, how they spoil, and how they can be destroyed.

**WHY KOREA? (TFC)**

h-c-a 30 minutes B&amp;W: \$4.65

The title symbolizes the question: "Why must American boys be prepared for assignment to military duty in foreign countries?" The film is a documented historical record which approaches an answer to that question. *Restricted to Classroom Use.*

**WHY PLAY LEAPFROG? (HC)**

h-c-a 10 minutes Color: \$3.65

Shows how increases in wages result in increased prices. Points out that wage raises based on increased productivity increase purchasing power, but that wage raises without corresponding increase in productivity force prices higher so that the two can, and frequently do, play leapfrog.

**WHY PUNCTUATE? (YA)**

i-j-h 10 minutes B&amp;W: \$2.15

Orientation film designed to motivate and introduce (or review) the study of punctuation. Also summarizes the basic rules for use of the most important punctuation marks.

**WHY SEASONS CHANGE (EB)**

i-j 11 minutes B&amp;W: \$2.35

Makes use of animated drawings to show why the tilt of the earth gives us short days in winter and long ones in summer. Children can see the earth travel around the sun and will understand why the seasons change during the course of this orbit. The film also explains why it is hot in summer and cold in winter, and why the seasons in the Northern and Southern Hemispheres are always opposite.

**WHY STUDY FOREIGN LANGUAGES? (C)**

j-h-c 10 minutes B&amp;W: \$2.15

Jim Baker can't see any use in studying foreign languages until brother Dick returns from a trip to Europe and convinces Jim that he is wrong. Demonstrates how knowledge of foreign languages contributes to enjoyment of travel, success of commerce, harmonious international relations, appreciation of many literary works, and richer understanding of our own culture.

**WHY STUDY HOME ECONOMICS? (YA)**

j-h-c 9 minutes B&amp;W: \$2.15

Depicts how the study of homemaking can contribute to the enrichment of life. The vocational opportunities available to home economics students are also explained.

**WHY STUDY INDUSTRIAL ARTS? (YA)**

h-c 10 minutes B&amp;W: \$2.15

Surveys the advantages of studying industrial arts and shows a shop teacher counseling two students. Indicates the need for designers, engineers, carpenters, and other craftsmen whose first experiences and training can be acquired in industrial arts classes. Illustrates how industrial arts training can be applied in printing, farming, teaching, and daily living.

**WHY STUDY LATIN? (C)**

h 11 minutes B&amp;W: \$2.15

A visit to a high school Latin class where the teacher and several of the students explain why studying Latin is important to them. Covers the values of Latin to an understanding of history, an appreciation of literature, a mastering of English, and the practical usefulness of Latin to many professions.

**WHY STUDY SCIENCE? (YA)**

j-h 11 minutes B&amp;W: \$2.15

An orientation film explaining why a knowledge of science is valuable not only in professional training, but also in making intelligent decisions on problems confronting us in the world.

**WHY STUDY SPEECH? (YA)**

j-h-c 10 minutes B&amp;W: \$2.15

An orientation film explaining the importance of desirable speech techniques in our everyday life.

**WHY TAKE CHANCES? (SD)**

i-j-h 10 minutes B&amp;W: \$2.15

Points out to boys and girls the dangers they face in living and playing. Shows how easily accidents can be avoided by being "smart" and being careful.

**WHY VANDALISM? (EB)**

c-a 17 minutes B&amp;W: \$2.90

Explores the underlying causes of a problem that strikes at the very roots of our society. Offers suggestions for curbing vandalism and some of the things that can be done to prevent the crime from becoming a reality.

**WHY WE RESPECT THE LAW (C)**

j-h-c 14 minutes B&amp;W: \$3.65

Respect for the law is developed by a realization that law represents accumulated wisdom, that it is in harmony with laws of nature, and that it is necessary to prevent trouble. A young boy learns through case histories how respect is necessary to enable the law to operate properly.

**WHY WILLIE WAS WILLING TO WASH (NMP)**

p-i 10 minutes B&amp;W: \$2.15

Stresses the importance of keeping oneself clean.

**WHY WON'T TOMMY EAT? (SF)**

h-c-a 15 minutes B&amp;W: \$2.90

The study of Tommy illustrates a common problem, and through him we look for reasons for children's lack of appetite. Not only physical reasons are checked but the film goes further to uncover emotional causes. From the familiar setting of the meal-table, the reasoning that the parent may be at fault takes us back to Tommy's infancy to discover where the emotional tensions began.

**WIDE, WIDE SEA, THE (BACKGROUND FOR READING AND EXPRESSION) (C)**

p 11 minutes B&amp;W: \$2.25

Sally and Tom visit the seashore and learn of the busy harbors, lighthouses, and ships. Imagination takes them to far-off lands across the sea and to life beneath the surface of the sea. These experiences are related to stories and poems about the wide, wide sea.

**WILD AND WOOLLY WEST (OF)**

general 7 minutes B&amp;W: \$1.70

Angel Face, the daring desperado wanted for murder, horse stealing and using naughty words, blasts his way into the sheriff's office. The law goes to work on this terrifying creature.

**WILD ANIMAL FAMILIES (FA)**

p-i 11 minutes Color: \$3.40

A variety of animals living in their natural habitat. Shows unity of family life and importance of both parents.

**WILD ANIMALS: THEIR HOMES AND HABITS (AB)**

i-j-h 10 minutes B&amp;W: \$2.15

A comparison of both bird and mammal homes and the method of protecting their young.

**WILD ELEPHANT ROUNDUP (UW)**

i-j-h 8 minutes B&amp;W: \$2.25

Daring hunters surround a dangerous herd of wild elephants and risk their lives "cutting out" the beasts. They get a noose around an elephant's leg and tie the other end of the rope around a tree. The elephant rips the tree out by the roots and charges the hunters who eventually recapture him.

**WILDLIFE IN AFRICA (WFFD)**

j-h-a 11 minutes Color: \$3.40

A travelog to one of the largest game areas in the world. Shows a wealth of African birds and animals including a rare and perilous shot of the elephant charge.

**WILDLIFE AND THE HUMAN TOUCH (USDA)**

h-c-a 18 minutes Color: \$2.15

Emphasizes the importance of good forestry management practices, and shows the injurious effects of poor procedures. Discusses the factors involved, including timber and wildlife conservation, range reseeding, and effective control of watersheds.



**WILDLIFE IN THE ROCKIES (NFBC)**

i-j 14 minutes Color: \$2.15

After many years of careful conservation, Banff and Jasper National Parks have become vast zoological gardens. This film shows us many intimate views of the creatures of the wild, big and small, that inhabit the forested mountain slopes of these parks. Deer, moose, bear, big-horn sheep, birds, and small animals that live above the tree-line, are natural subjects for close-up camera shooting against a backdrop of snowy peaks of the Canadian Rockies.

**WILDLIFE OF THE DESERT (BFS)**

i-j-h 10 minutes B&amp;W: \$2.15

Shows scenes of wildlife in the desert including the burro, burrowing owl, western mocking bird, jack rabbit, a Gila monster, and many other typical desert animals. Little water, intense heat, and a great variance in temperature are characteristics of their environment.

**WILL EUROPE UNITE? (BIS)**

h-c-a 22 minutes B&amp;W: \$3.40

Discusses whether or not the countries of Europe will co-operate as a geographic and economic whole, the possible benefits if they do so, the possible penalties if they do not. Reviews Europe's past and present contributions to industry and culture.

**WILLIAM PENN AND THE QUAKERS (THE PENNSYLVANIA COLONY) (C)**

i-j 11 minutes Color: \$3.60

The Quakers' struggle for freedom of worship in 17th century England sets the background for this story of the establishment of Pennsylvania. We see how, under William Penn's leadership, a colony was founded which was dedicated to freedom of speech and religion, and equality for all. Ample opportunity for trade, industry, and agriculture helped Pennsylvania develop into a political, economic, and cultural leader among the colonies.

**WILLIAM ROSE BENET (RO)**

j-h-c 8 minutes Color: \$3.15

Pictures a visit with the author at his summer home on the rock-bound coast of Massachusetts.

**WILLIAM SHAKESPEARE (EB)**

j-h-c 28 minutes Color: \$7.15

The life of this great English playwright is re-created by a group of English Shakespearian actors. The use of authentic costumes and actual locations in England makes this one of the most memorable films on Shakespeare.

**WILLIAM SHAKESPEARE: BACKGROUND FOR HIS WORKS (C)**

j-h-c 13 minutes B&amp;W: \$2.65, Color: \$5.15

In the England of today, this film shows the place of Shakespeare's times and elements of English life that gave the great poet-playwright his language and shaped his character. Kenilworth Castle, Stratford, the River Avon, and the Hathaway Cottage are just a few of the familiar spots that link the past with the present.

**WILLIAM TELL (C)**

p-i 11 minutes Color: \$3.60

This colorful film in a twelfth-century Swiss setting, tells the classic legend of William Tell who must shoot an apple from his son's head to save the boy and himself. The story of Tell's refusal to be humbled before the tyrant Gessler marks the independent spirit characteristic of a great people.

**WILLIAM TELL (OF)**

j-h-c-a 24 minutes B&amp;W: \$5.15

An abbreviated version of the opera by Rossini, preserving the dramatic continuity, and containing all the important musical passages. Filmed on the stage of the Rome Opera House. The course of action is explained by Olin Downes, music critic, who serves as narrator.

**WILLIAMSBURG RESTORED (IFF)**

h-c-a 44 minutes Color: \$8.40

This is a study of Colonial Williamsburg and how it was restored, detail by detail, to its appearance of colonial times. Opening with an historical sequence showing the excitement in Williamsburg on hearing of the Boston Tea Party, the film then leads into the story of how the work of restoration was begun in the late 1920's and how it has progressed to the

present. Shows the research that architects and historians undertook in rebuilding the city—so accurately that even the moldings of the houses are reproduced exactly. The background and outline of some of our finest traditions are clearly etched in this film.

**WILLIAMSBURG, THE STORY OF A PATRIOT (CWI)**

j-h 36 minutes Color: \$9.15

The town of Williamsburg was the capital of the Virginia colony during the decades leading up to the American Revolution. The life of this town is shown through the story of the film centering around John Fry, a composite character who was deliberately created as a typical planter-burgess. This principal figure fits into the story pattern and mirrors the effect on such a person, and his family, of the growing rift with the mother country. The men, the events, the activities, the buildings, the gardens, the costumes, and the furnishings are as authentic as careful research could make them.

**WILLIE AND THE MOUSE (TFC)**

c-a 11 minutes B&amp;W: \$1.65

A comparative study which shows that experiments with laboratory mice have implications in educational procedure in the classroom. The mice are trained by sight, sound and touch and the commentary draws attention to the ways in which the experiments with mice illustrate the necessity for variety of approach in the teaching of children. *Restricted to Classroom Use.*

**WILSON'S FIGHT FOR PEACE (20TH CENTURY) (CBS-McGH)**

j-h-c-a 28 minutes B&amp;W: \$5.35

The story of Wilson's trip to Europe to try to negotiate a just peace, and his losing fight for the League of Nations.

**WIND AT WORK (DPP)**

i 10 minutes Color: \$3.60

What makes the wind and what the wind does is explained in live photography and by graphic illustration and animation. Simple experiments show the effect of warm and cold air. Winds change the face of the land, help planes to fly and boats to sail, disperse the seeds of plants and bring rain and snow.

**WINDS AND THEIR CAUSES (C)**

i-j 11 minutes B&amp;W: \$2.15

Pete studies air currents, air "bumps," thunderstorms, on-shore and off-shore winds, easterly and westerly winds, and the behavior of his newly constructed weather vane.

**WING, CLAW AND FANG (UW)**

i-j-h 8 minutes B&amp;W: \$2.25

A kitten, a pup, a penguin, and a lion are the stars in this movie which reveals that birds and beasts react in intelligent ways. Final scenes show a lion trainer wrestling and playing with a lion which has already been trained.

**WINGS FOR ROGER WINDSOCK (CAA)**

i-j 14 minutes B&amp;W: \$2.15

Cartoon treatment depicting the importance of the air age and told through the eyes of a youngster "Roger Windsock" who always has been sold on aviation and finally ends up by selling others on it too.

**WINGS OF MERCY (CAA)**

i-j-h-c 22 minutes B&amp;W: \$2.15

This film depicts Saskatchewan's air ambulance service. Through this service, every one in Saskatchewan is now within three hours of a hospital—at the very most. This is an excellent film to show how aviation can bring new hope and new security to those who live in outlying districts. The organization, personnel and operation of this air ambulance service are dramatically portrayed.

**WINGS TO BERMUDA (PAA)**

general 28 minutes Color: \$7.15

The facilities offered by Pan American planes are shown, together with scenes of Bermuda.

**WINGS TO BRITAIN (PAA)**

j-h-c-a 27½ minutes Color: \$5.75

Panorama of Great Britain today. Shows the moors of Scotland where the clans gather for the famous Highland games.



**WINGS TO CENTRAL AMERICA AND MEXICO (PAA)**

general 29 minutes Color: \$7.40

This is an airborne travelog concerning the city and country life of Mexico and Guatemala. It shows Mexican landscapes and architecture, both modern and ancient, with scenes of colorful Mexican festivities and sports. In Guatemala, there are scenes of the singular beauty of Indian life to be seen.

**WINGS TO FINLAND (PAA)**

general 22 minutes Color: \$6.40

Takes the viewer on a vacation flight to Finland. The arrival at Malmo airport is followed by scenic highlights, old and new, of Finland's modern capital. Scenes include busy Mannerheim Boulevard, the city's massive "Great Church," the National Theater, Parliament Building, and the beautiful "Ladies of Helsinki" statuary which grace parks and gorgeous flower gardens.

**WINGS TO HAITI (PAA)**

general 22 minutes Color: \$6.40

A trip to Haiti by plane reveals Port au Prince, capital city; the market place; native dancers and arts; and the citadel of Henri Christophe.

**WINGS TO HAWAII (PAA)**

general 33 minutes Color: \$7.15

Takes the audience on an air trip to Hawaii and around the island to such key points of interest as Waikiki Beach, Maui, active and extinct craters, sugar cane and pineapple plantations, a cattle ranch and several smaller islands. Highlights the hospitality, beauty, and pleasures to be experienced by the visitor to the Hawaiian Islands.

**WINGS TO IRELAND (PAA)**

general 33 minutes Color: \$7.15

Air trip from New York to Ireland. Places visited are Shannon, Killarney, Cork, Plains of Tipperary, and Dublin.

**WINGS TO ITALY (PAA)**

general 33 minutes Color: \$7.65

Points of interest to the tourist in Italy are seen as a young couple reminisce about their vacation trip. Includes Rome, Vesuvius, Pompeii, Capri, Pisa, Siena, Florence, the Dolomites, and Venice.

**WINGS TO ITALY: LAND OF ENCHANTED FOUNTAINS (PAA)**

j-h-c-a 27 minutes Color: \$6.15

A view of Italy, pointing out the hidden beauty in the little fishing villages, the old fortress towns, and the faces of the people who live amid this beauty. Includes scenes of the Isle of Capri, Rome, and the canals of Venice.

**WINGS TO THE WORD (CAA)**

j-h-c 30 minutes B&W: \$2.15

Protestant mission boards' use of the airplane to reach the needy illiterate of hinterland Latin America. Depicts actual experience of Rogers Perkins, who plays his real life role in contacting the jungle people of Brazil by air.

**WINGS TO VIKINGLAND (PAA)**

general 30 minutes Color: \$7.65

A trip by air to the land of the Vikings—to Norway, Sweden, and Denmark. We see the magnificent scenery and historic landmarks of the Northland and get a glimpse of the wild, free life of the Lapps of northern Sweden.

**WINKIE, THE MERRY-GO-ROUND HORSE (STORYTELLING) (C)**

p 10 minutes Color: \$3.40

Danny and his merry-go-round friend, Winkie, travel on all sorts of exciting adventures in the world of make-believe. The aim of this film is to inspire children to imaginative thinking and creative storytelling.

**WINKY, THE WATCHMAN (COF)**

p-i 10 minutes Color: \$3.40

An animated film on the care of the teeth. The characters are: Winky—each and everyone; Great White Wall—each and everyone's teeth; Bad 'Uns—disease and decay; Good 'Uns—your dentist.

**WINNING OF FRANCE, THE (AIR POWER SERIES) (CBS)**

h-c-a 28 minutes B&W: \$5.65

An account of Allied air-ground operations against the German 7th Army after the Normandy invasion which saved Paris from ruin. The film shows how the Allies preceded the big breakthrough with the most massive use of heavy bombers as tactical weapons in World War II.

**WINNING OUR INDEPENDENCE (TFC)**

j-h-a 36 minutes B&W: \$5.65

Adapted from *THE HOWARDS OF VIRGINIA*, this film depicts the American Revolution from the viewpoint of Matthew Howard, a colonial who makes his home and fortune out of the wilderness. Shows the Virginia House of Burgesses, and portrays the debates over the Stamp Act, Patrick Henry's speech, and the hardships endured by Washington's Army. *Restricted to Classroom Use.*

**WINTER IS AN ADVENTURE (C)**

p-i 8 minutes Color: \$3.40

Snow, frosting all out-of-doors, close views of winter animals, and the joy of a city boy exploring the farm all add to the enchantment of the winter. We see Scotty as he observes the changes in nature, and we observe with him the adaptations of the animals to the cold of the winter snow and ice. Uses expressions which are keys to many of the expressions used in stories about winter.

**WINTER ON THE FARM (EB)**

p-i 8 minutes Color: \$3.40

Portrays the adaptation of plants and animals to the winter's cold. We follow Joan and Jerry as they observe animal tracks in the snow, the animals which made the tracks, birds at their feeding station, and farm animals in the barn. Especially enjoyable is the children's trip to the woods to cut a Christmas tree.

**WINTER SPORTS (OF)**

j-h-c-a 8 minutes B&W: \$1.70

Champions demonstrate skiing, skating, tobogganing, bob-sledding, ice sailing, and snow trotting.

**WINTER'S TALE (ACT V, SCENE III) (UW)**

j-h-c-a 13 minutes B&W: \$2.80

Character studies were one of Shakespeare's fortes. In this scene he skillfully brings out the diverse characters involved. Performed by the Old Vic Repertory Company.

**WIRE SIZE AND VOLTAGE DROP (UW)**

h-c-a 11 minutes B&W: \$2.15

Explains the factors influencing the ability of conductors to carry electron flow, the measurement of wire sizes, wire area in circular mils, voltage drop and Ohm's Law.

**WIRES TO OUR HOUSE (IFB)**

i-j-h 14 minutes Color: \$5.00

The film explains the purpose of the various wires leading into the house and how the power is distributed throughout the house safely, and where the power comes from. Due to a power failure during a storm, Jack, an inquisitive boy, learns all about the wiring, meters, transformers, and fuses. The foreman of a group of trouble-shooters explains the entire electrical system of a house. Animation and a partially constructed house is used.

**WISE BUYING (C)**

j-h-c-a 10 minutes B&W: \$2.15

Suggests the desirability of making better use of money by planning carefully and spending wisely. Asks, and suggests the answers to, four questions which form the basis for wise buying. Some of the important factors like seasonal changes, quantity purchases and product labels are discussed and the effects of wise buying point out that one can raise one's own standard of living.

**WISE USE OF WATER RESOURCES (UW)**

i-j 14 minutes Color: \$4.70

This film illustrates concepts relating to properties of water, its abundance, its value as a natural resource, its use for consumer supply.



**WITCH DOCTOR (BRF)**

**h-c-a** 9 minutes **B&W: \$2.35**  
 A dance stylization of a voodoo rite performed by a Haitian witch doctor, with Jean Leon Destiné dancing the title role. Original story and choreography by Jean Leon Destiné, using authentic native themes.

**WITH LIBERTY AND JUSTICE FOR ALL (CONSTITUTION SERIES) (McGH)**

**h-c-a** 64 minutes **B&W: \$8.65**  
 Shows how certain individuals fought to preserve their Constitutional rights, and discusses the role of the Supreme Court and many of its historic decisions.

**WITH THESE HANDS (ILGWU)**

**h-c-a** 38 minutes **B&W: \$5.15**  
 Reviews the struggles and accomplishments since 1910 of the International Ladies' Garment Workers' Union.

**WOLF! WOLF! (MIGHTY MOUSE) (UW)**

**p-i** 6 minutes **B&W: \$1.70**  
 Wolves plot to get lamb chops. One dresses as Bo Peep and lures the lambs with music, but Mighty Mouse hears a lamb's bleat. He throws lightning bolts and wrecks the wolf den.

**WOLFE AND MONTCALM (NFBC)**

**j-h-a** 28 minutes **B&W: \$6.15**  
 Re-enacts the preparations for the Battle of the Plains of Abraham where Quebec City fell to the British—the climax of the French and Indian War. Shown are the strategy of the attack and the dramatic moments when Wolfe and Montcalm, the British and French generals, are fatally wounded.

**WONDER DOGS IN ACTION (UW)**

**j-h-c-a** 10 minutes **B&W: \$1.70**  
 Foxhounds, setters, pointers, poodles and Chesapeake retrievers are shown in actual hunting scenes, from the treeing of an Arizona wildcat to the retrieving of a Mallard duck.

**WONDER ENGINE OF THE BODY (BR)**

**j-h-c-a** 11 minutes **B&W: \$2.15**  
 Explains the anatomy, physiology and proper care of the human heart.

**WONDER HOUSE (McGH)**

**j-h-c-a** 17 minutes **B&W: \$3.85**  
 Tells the history of the American Museum of Natural History of New York City. Shows different departments of the Museum and the people who prepare the exhibits. Includes scenes of the Museum's expeditions, showing how giant lizards are trapped in the East Indies and how the first dinosaur eggs were discovered.

**WONDER JET (CAA)**

**i-j-h-c** 19 minutes **B&W: \$2.15**  
 The story of the development of the jet engine told against a pleasing and chronological background. Interesting highlights on the man, Whittle by name, who invented it are shown and also how today the product of this man's genius has given birth to a new industry which forebodes well for the economic future of England. The principles of operation of the jet engine are briefly discussed and reference made to its future potential as the motive power for trains and boats. Its application to military and commercial aircraft is well illustrated.

**WONDER OF CHEMISTRY (YA)**

**i-j** 8 minutes **B&W: \$2.15**  
 This film is designed as an introduction to the science of chemistry. Produced under expert supervision, the film uses live photography, models and animation to explain what chemistry is and to prepare the student for the understanding of important terms such as: molecule, element, compound, and chemical change.

**WONDER OF GRASSHOPPERS (MIS)**

**i-j** 12 minutes **Color: \$3.50**  
 Two boys see the destruction grasshoppers can cause to the farm and countryside. Shows methods used to combat them.

**WONDER OF OUR BODY (MIS)**

**i** 14 minutes **Color: \$3.50**  
 Uncle Bob uses a camera to introduce Dick and Jackie to the human body; the ears, the body's chemical plant, the heart,

bone structure, the vocal chords and the nervous system. Uncle Bob points out the responsibility everyone has to take care of his body.

**WONDER OF REPRODUCTION, THE (MIS)**

**i-j** 12 minutes **Color: \$3.50**  
 Two boys and a girl come to see Uncle Bob's new fish. In one aquarium they see the beautiful Siamese fighting fish building its characteristic bubble nest to house the eggs. Following sequences show the courtship, egg-laying, fertilization, and hatching of the eggs. In the second aquarium the reproduction process of the Egyptian Mouthbreeder is witnessed. The female carries the eggs in her mouth for about 15 days, taking no food during this time. This picture will help children form a wholesome picture of the reproductive process.

**WONDER OF WATER (MIS)**

**i** 15 minutes **Color: \$3.50**  
 Uncle Bob solves the mystery of H<sub>2</sub>O for his young friends. He uses electrolysis equipment in a dramatic way to separate water into hydrogen and oxygen. Bob's vivid demonstrations and simple explanations introduce the student to molecules and the nature of gases. The water cycle is discussed; evaporation and condensation are explored.

**WONDERS IN A COUNTRY STREAM (CW)**

**p-i** 11 minutes **Color: \$3.40**  
 Several inhabitants of a mountain stream and their life habits. Two children explore the stream and discover a baby snapping turtle, a baby frog, a salamander, a caddis-fly, a damsel fly, and other common animals. A sequel to *Wonders in Your Own Backyard*.

**WONDERS IN THE DESERT (CW)**

**p-i** 10 minutes **Color: \$3.40**  
 A girl and her young brother take a walk in the desert where they discover an adult and a baby jack rabbit, a wild female burro and her young one, a lizard, a horned lizard, a chuckwalla, a pocket mouse, and a desert tortoise.

**WONDERS IN WOOD (AL)**

**i-j-h-c-a** 10 minutes **B&W: \$2.15**  
 Illustrates wooden animals, human figures and their surroundings—created by men of infinite skill, patience and craftsmanship. A sequence shows a solid block of wood on a lathe turned into a score of wooden horses in a matter of minutes.

**WONDERS IN YOUR OWN BACKYARD (CW)**

**p** 11 minutes **Color: \$3.40**  
 A boy and girl explore among the plants in their own backyard. They learn some of the habits of the earthworm, the common house spider, a millipede, a sowbug, and a snail. The extreme close-up photography gives us a new conception of the beauty and wonder of small creatures.

**WONDERS OF PLANT GROWTH (CW)**

**i** 10 minutes **Color: \$3.40**  
 A girl and her younger brother experiment with plants. They grow plants from a bean and a squash seed, the stem of a geranium, and the root of a sweet potato plant. Growth is shown in time lapse photography.

**WONDERS OF THE SEA (TFC)**

**j-h-c** 8 minutes **B&W: \$1.65**  
 Depicts such sea life as the horseshoe clam, the feathered starfish, the moonfish, and the razor fish, which are found on the Great Barrier Reef of Australia, and their interesting and peculiar habits. Also shows the techniques of deep-sea diving. *Restricted to Classroom Use.*

**WOOD, CLAY, AND FINE ARTS (PF)**

**h-c-a** 10 minutes **Color: \$3.15**  
 Shows the primitive and modern methods of producing wooden and clay ware. Concludes with scenes of Diego Rivera at work on a mural.

**WOOD THRUSH (HNP)**

**p-i-j** 10 minutes **Color: \$3.15**  
 Clear natural thrush songs, nesting, hatching, care and feeding of the young make this an unusual film for nature study and elementary science.

**WOOD TURNING (AVED)**

**j-h-c-a** 10 minutes **Color: \$3.40**  
 The turning of a mahogany bowl on the face plate of a wood lathe is demonstrated. We see the proper use of the lathe and the tools as a block of wood is transformed into a beautiful work of art.



**WOODCUTTER'S WILLFUL WIFE (UC)**

p-i 21 minutes B&W: \$3.90

A fairy tale of a woodcutter and his ambitious wife who ask too much of a magic tree and are eventually returned to poverty.

**WOODEN FACES OF TOTONICAPAN (OIAA)**

j-h-c 10 minutes B&W: \$2.15

Shows the making of masks and their use in religious Guatemalan fiestas. Includes the breath-taking climax of Chichicastenango's famous eight-day celebration.

**WOODLAND INDIANS OF EARLY AMERICA (C)**

p-i 10 minutes Color: \$3.40

Authentic reconstructions of the eastern seaboard and the Great Lakes region provide settings for this study of woodland Indian life prior to European influence. The daily life of a Chippewa family is observed as Little Bear and other members of his family hunt wild turkey, harvest their staple food of wild rice, fish from the lake, and as they gather at the wigwam for the evening meal.

**WOODPECKER GETS READY FOR WINTER (MIS)**

i 10 minutes Color: \$2.90

Reveals the unique manner in which the "El Carpintero" woodpecker stores acorns for winter. Close-up photography shows the woodpecker's efficient use of its head, beak and claws in providing for the months to follow. As a destroyer of harmful tree insects this carpenter of the forest is demonstrated to be a valuable friend to man.

**WOODROW WILSON: SPOKESMAN FOR TOMORROW (McGH)**

h-c-a 27 minutes B&W: \$5.85

Newsreel clips and reproductions of documents and cartoons present Woodrow Wilson from his presidency of Princeton University to his death in the White House. Shows how Wilson gained renown as a reformer, a statesman, and as a spokesman for peace with his pleas for international cooperation and American participation in the League of Nations.

**WOODWIND CHOIR, THE (EB)**

i-j-h-a 11 minutes B&W: \$2.15

Presents the individual tone qualities of the various instruments and gives pupils an opportunity to study playing techniques. Among the compositions, illustrating use of the woodwind instruments, are excerpts from Rossini's *William Tell Overture*, Von Weber's *Der Freischutz*, Beethoven's *Third Symphony*, Schumann's piano concerto and the Second Movement of Brahms' *Fourth Symphony*.

**WOODWORKER (VGF)**

j-h-c 10 minutes B&W: \$2.15

A survey of the types of jobs performed by carpenters in the building industry and furniture-making trades. The film includes scenes of a student working in a school woodworking class and summarizes how mechanical drawings, mathematics, and science will help the student to prepare himself for the woodworking field.

**WOODWORKING (EB)**

j-h-c-a 11 minutes B&W: \$2.15

Describes the importance of woodworking and suggests its values as a hobby. Pictures the step-by-step construction of a beginning project, illustrates basic woodworking tools, and shows how they are used.

**WOODY DINES OUT (WOODY WOODPECKER) (UW)**

p-i 7 minutes B&W: \$1.70

Woody tries to get his dinner in a taxidermist's shop.

**WOODY PLAYS SANTA CLAUS (UW)**

general 7 minutes B&W: \$1.65

It takes Santa Claus to get a free meal at Wally Walrus's lodge—so Woody disguises himself as Santa Claus.

**WOODY, THE GIANT KILLER (WOODY WOODPECKER) (UW)**

p-i 6 minutes Color: \$2.40

Woody buys the magic beans, grows the bean stalk, climbs the stalk and awakens the giant.

**WOOL (FROM SHEEP TO CLOTHING) (EB)**

p-i 10 minutes B&W: \$2.15

Tells the complete story of wool—from sheep on a Wyoming range through the knitting of the worsted yarn into sweaters.

**WOOLLY, THE LAMB (BACKGROUND FOR READING AND EXPRESSION) (C)**

p-i 10 minutes Color: \$3.40

A lonely little lamb leaves his valley to search for a playmate. He finds none among the cows, pigs, turkeys, and dog that live on the farm, but upon returning home to the valley he discovers just the playmate he has been looking for—a new baby lamb.

**WORD BUILDING IN OUR LANGUAGES (C)**

j-h 10 minutes B&W: \$2.35

Points out that many of our words are derived from other languages—frequently Latin, and generally explores the principles of structural growth of words. The underlying assumption of this film is that if we have a basic knowledge of the roots of words and the most commonly used prefixes and suffixes we can recognize more readily the meaning of new words and thus add to our vocabulary.

**WORDS OF COURTESY (YA)**

i-j 11 minutes B&W: \$2.15

Dramatizations show why and when it is important to use the common words of courtesy. Emphasizes that an attitude of thinking of others is the root of all courtesy.

**WORDSWORTH COUNTRY (UW)**

h-c-a 18 minutes B&W: \$3.40

Depicts the English Lake district as a background for the study of the poems of William Wordsworth.

**WORK AND POWER (IFB)**

h 16 minutes Color: \$5.00

Members of a high school science club are shown at a large amusement park some of the experiments they have done in class. They feel centrifugal force on the flying turns, inertia on the inclined planes. They see pulleys used to transfer power, cables used as levers. The formulas for calculating work and power are explained.

**WORK OF RIVERS (EB)**

j-h-c 11 minutes B&W: \$2.15

Explains growth of rivers, erosion cycle, rejuvenation and deposition. Models and animated drawings are used to explain such special features as the Niagara Falls, deltas, meanders, oxbow lakes, lakes, water gaps, and sand bars.

**WORK OF RUNNING WATER (EB)**

j-h-c 11 minutes B&W: \$2.15

Displays and analyzes the activities of the most effective agent of erosion—running water. Models and scenes from all parts of the world show how running water wears away the land. To illustrate stream deposits there is a sequence on the formation of deltas and flood plains. This is illustrated by sand table models and aerial scenes of the Mississippi bottom lands.

**WORK OF THE ATMOSPHERE (EB)**

j-h-c 10 minutes B&W: \$2.15

Reveals the numerous ways in which the atmosphere plays a part in altering the earth's surface. The film shows how temperature variations and winds disintegrate rocks. The movement of sand, dust, and volcanic dust over great distances on the earth's surface is visualized. Then follows an explanation of the formation of soil and its significance.

**WORK OF THE BLOOD (EB)**

j-h 14 minutes Color: \$4.20

Through laboratory analysis of a blood sample, the structure of blood cells and the composition of plasma are revealed. Animated drawings and X-ray motion pictures of the circulatory system illustrate the function of the blood—the circulation of food elements and other materials to all body cells, the removal of wastes, the equalization of heat distribution, and the defenses against disease.

**WORK OF THE KIDNEYS (EB)**

j-h-c 11 minutes B&W: \$2.15

Animated drawings, together with laboratory demonstrations, describe the renal system, the formation of urine, regulation of blood composition, and the functioning of the bladder. Relation of blood pressure to urine flow, and rate of secretion as affected by sugar, water, and temperature, are given particular consideration. The film concludes with an analogy between kidney function and the action of a gyroscope.

**WORK OF THE STOCK EXCHANGE (C)**

h-c 15 minutes B&W: \$3.15, Color: \$4.90

Shows how land, labor, management, and money work together in producing the commodities which are the basis for



economic life of America. The growth of a small business is followed from the start as a partnership of three men to the formation of a corporation whose securities are listed by the Stock Exchange. The film shows not only the detailed operation of the Stock Exchange but gives a background of information about the part which the Stock Exchange plays in our entire economic structure.

### WORK, TIME AND POWER (UW)

**p-i** 14 minutes **Color: \$4.70**  
This film demonstrates meaning of power as the rate of doing work. "Foot pound" and "horsepower" are clearly illustrated.

### WORKING IN WATERCOLOR (IFB)

**j-h-c-a** 18 minutes **Color: \$5.80**  
Stimulates students to use water color in an individual and personal style. The basic tools and materials are presented, and several novel and new manipulations of water color are demonstrated. These techniques are related to finished paintings by showing the work of masters of the water color medium.

### WORKING SAFELY IN THE SHOP (C)

**j-h** 10 minutes **B&W: \$2.15**  
Presents the three essential points of shop safety: how to keep a shop safe for work, how to dress for safety while working in a shop, and safe practices in the operation of the following tools: the grinder, circular saw, jig saw, drill press, jointer, lathe, and the disk sander.

### WORKING TOGETHER (EB)

**h-c-a** 22 minutes **B&W: \$4.15**  
A dramatic and authentic case history of labor-management cooperation in an American industrial plant. Portrays vividly how workers and management learned from hard experience that working together pays. Clearly defines tensions and difficulties between the company "local" and management, pointing out without bias the grievances of both. Drives home the fact that thoughtful men on both sides of the industrial fence can work for and gradually obtain mutual understanding.

### WORKING WATER (DPP)

**i-j-h** 14 minutes **Color: \$4.50**  
Explains how water is stored and brought to dry lands, formerly unproductive. Shows examples of present day irrigation methods to make most efficient use of farm land, and the variety of food crops grown on irrigated farms.

### WORKING WITH OTHER SUPERVISORS (UW)

**c-a** 7 minutes **B&W: \$2.15**  
Several supervisors discuss Larry, one of their colleagues, who has been unable to work harmoniously with them.

### WORKING WITH WINGS (CAA)

**i-j-h** 10 minutes **B&W: \$2.15**  
The various activities performed at TWA's overhaul base at Kansas City are depicted in this film which includes a Constellation being put through TWA's "Operation 7," a task involving 4500 man-hours of work.

### WORKSHOP FOR PEACE (1960) (UNFD)

**j-h-c-a** 30 minutes **B&W: \$3.90**  
A complete tour of the U.N. headquarters in New York, including the meeting halls of the General Assembly, the Trustee Council, the Economic and Social Council and the Security Council. Shows the general assembly in action and how the Secretary General and the U.N. staff operate.

### WORLD AFFAIRS ARE YOUR AFFAIRS (EB)

**h-c-a** 25 minutes **B&W: \$4.65**  
Film of the work and objectives of the Cleveland Council on World Affairs. Illustrates the Council's services and educational activities designed to help citizens achieve understanding of problems arising between the U.S. and the rest of the world. Provides suggestions for establishing similar councils in communities.

### WORLD AT WAR (OWI)

**j-h-a** 42 minutes **B&W: \$4.90**  
Gives a graphic history of the years 1931-1941—from the Japanese invasion of Manchuria in 1931 to the bombing of Pearl Harbor ten years later. The pattern of aggression in China, Ethiopia, Spain, Poland, Belgium, Holland, and France is shown.

### WORLD BALANCE OF POWER (EB)

**j-h-c-a** 17 minutes **B&W: \$4.15**  
Discusses the principle of world balance of power as the foundation of national independence and international peace in

the modern world. Suggests that in the present international crisis new aggressions and wars can be prevented by the adherence of nations to the balance of power principle.

### WORLD HISTORY: AN OVERVIEW (C)

**h** 16 minutes **B&W: \$3.45**  
The diverse events of history may be considered a record of how men have attempted to meet or satisfy certain basic human needs. The film presents man's political and economic needs, his need to communicate, and his spiritual and artistic needs as determinants of the events of history from prehistoric to modern times.

### WORLD IN A MARSH (McGH)

**h-c** 22 minutes **Color: \$7.65**  
We are provided with an intimate view of the variety of life forms that inhabit the quiet waters of the marsh. The film records the activities of some of the insects, small amphibious creatures and birds that have become adapted to life in this strange miniature world.

### WORLD IN A SCHOOLROOM (UW)

**h-c-a** 17 minutes **B&W: \$2.15**  
Citizens of Manhasset, Long Island, N.Y., give demonstrations of their various skills in the schoolroom, so that students may learn just what goes into the various tasks that the community performs. The film shows a practical application of the principle of integrating the school with community life.

### WORLD IS BORN, A (WDP)

**j-h-c-a** 21 minutes **Color: \$6.65**  
The biography of the first two billion years of our planet. This narrative interpretation of the "Rites of Spring" sequence from "Fantasia" with Leopold Stokowski conducting the Philadelphia Symphony Orchestra, reveals the vast pageant of the birth of the earth and the first living creatures to inhabit it.

### WORLD OF LITTLE THINGS (MIS)

**j-h-c** 15 minutes **Color: \$4.40**  
Shows a whole new world of little organisms. The microscopic world is shown to consist of a vast variety of plants and animals—living together in a delicate balance of life. Demonstrates the economic importance of diatoms.

### WORLD OF MICROLIFE (UW)

**i-j** 14 minutes **Color: \$4.70**  
Starting with bread mold we see how tiny organisms are structured, how they reproduce and exist, how they are helpful or harmful.

### WORLD OF MOLECULES (CW)

**i** 11 minutes **Color: \$3.60**  
An introduction to the strange and invisible world that gives us some understanding of why solids, liquids and gases are what they are. The experiments of two children aided by animation help to visualize the size of molecules, the way they move in a solid, a liquid and a gas, the way they pull each other, and the way changes of state occur.

### WORLD OF PLENTY (BIS)

**j-h-c** 42 minutes **B&W: \$5.65**  
Discusses the production, distribution and consumption of food. Prewar problems of overproduction, glutted markets, and hungry people are shown at the beginning of this film. Describes the control over production and distribution during World War II and what might be done in the postwar period.

### WORLD OF WATER (McGH)

**j-h-c-a** 11 minutes **Color: \$3.40**  
Introduces a number of tropical fish—outstanding for their oddity, beauty, or their spectacular quality—that live in the aquarium of the Bronx Zoo. Each is named and described briefly as to its characteristics and native habitat.

### WORLD SERIES, 1946 (IHSA)

**general** 30 minutes **B&W: \$2.15**  
Climpses of the all-star game between the American and National League and of the World Series between the Boston Red Sox and the St. Louis Cardinals.

### WORLD SERIES OF 1947 (SHORT VERSION) (OF)

**general** 7 minutes **B&W: \$1.70**  
Highlights of the entire series, the sensational struggle between the Yanks and the Dodgers. See all the exciting plays by Dimaggio, Henrich, Walker, Robinson, Reese, and Stankv.



**WORLD SERIES, 1947 (IHSA)**

general 39 minutes B&W: \$2.15  
Shows the actions and highlights of the series. Gives complete coverage of the games.

**WORLD SERIES OF 1948 (IHSA)**

general 36 minutes B&W: \$2.15  
Shows the highlights of the World Series between the Cleveland Indians and the Boston Braves.

**WORLD SERIES OF 1949 (IHSA)**

general 33 minutes B&W: \$2.15  
The Yankees trip the Dodgers, four games to one, to take the 1949 World Series. Allie Reynolds and Preacher Roe trade 1-0 shutouts in the first two games, and the Yankees take the next three in a row to clinch an exciting series.

**WORLD SERIES OF 1950 (IHSA)**

general 30 minutes B&W: \$2.15  
Shows the highlights of the games between the New York Yankees and the Philadelphia Phillies.

**WORLD SERIES OF 1951 (IHSA)**

general 40 minutes B&W: \$2.15  
Pictures the highlights of the games between the New York Yankees and the New York Giants.

**WORLD SERIES OF 1952 (IHSA)**

general 32 minutes B&W: \$2.15  
The highlights of the games between the New York Yankees and the Brooklyn Dodgers.

**WORLD TRADE FOR BETTER LIVING (EB)**

j-h-c-a 17 minutes B&W: \$3.65  
Illustrates how the exchange of goods and services between countries of the world is essential for a higher standard of living in every country. Describes major features of international trade; indicates conditions which have led to the growth of restrictions on trade; and pleads for free trade which would make better use of world resources, skills and transportation.

**WORLD WAR I (A DOCUMENTARY ON THE ROLE OF THE U.S.A.) (EB)**

j-h-c-a 28 minutes B&W: \$5.65  
Through documentary scenes of the period and the actual words of historical figures, this film brings to life the events which led the United States into war; describes the course of the war, and Wilson's role at the peace conference. The historical scenes were made available by the National Archives, Washington, D.C.

**WORLD WAR I: BUILDING THE PEACE (C)**

h-c-a 11 minutes B&W: \$2.35  
Historic newsreel footage focuses on the Big Three—Wilson, Lloyd George, and Clemenceau—and scenes of the conference at Versailles. The film discusses the Treaty of Versailles: how it was written as a series of compromises, its provisions and effects on the map and peoples of Europe, the League of Nations as an integral part of the Treaty, and the failure of the Treaty to insure lasting peace.

**WORLD WAR I: THE BACKGROUND (C)**

h-c-a 13 minutes B&W: \$2.90  
Historic newsreel footage illustrates this film review of the basic causes and international incidents which led to the war. Touching back to 1870, the film delineates the militaristic and international tension of the prewar years. Particular attention is given to the Balkan conflict, ententes and alliances, and the Sarajevo incident, leading to the declaration of war.

**WORLD WAR I: THE WAR YEARS (C)**

h-c-a 13 minutes B&W: \$2.90  
Wide, strategic movements on land and sea gave the First World War a scope unknown in previous wars. It affected entire populations and utilized new, mechanized weapons. This film identifies the Allies and Central Powers and reviews their relative advantages in war potential. It discusses the German master strategy and its failure, the major campaigns of the middle war years (1915-16), and the final phase of the war.

**WORLD WAR II (PROLOGUE, U.S.A.) (EB)**

j-h-c-a 28 minutes B&W: \$5.65  
Through documentary scenes of the period, this film reviews the historic events which led to the U.S. entry into World War

II. Describes the "great dilemma" which faced Americans and shows the different stages through which American public opinion passed as the events in Europe took place. Follows the development of world conflict, from Japan's invasion of Manchuria to the bombing of Pearl Harbor, and U.S. entry into the war on December 8, 1941.

**WORLD-WIDE NAVAL OPERATIONS IN PEACE AND WAR (HISTORY OF THE U.S. NAVY) (AFS)**

j-h-c-a 22 minutes Color: \$3.65  
Traces from the period of 1815 to 1860 the military, diplomatic, and exploratory activities of the U.S. Navy and the technological changes of the period which influenced naval operations. Depicts the impact of the invention of the steam engine and screw propeller on naval designs and reviews the beginning of the Naval Academy at Annapolis, Maryland.

**WORMS (EB)**

j-h-c 11 minutes Color: \$4.65  
Four classes of annelid worms showing their structure, characteristics, behavior, and habitats. Shows various ways in which they move, breathe, gather food, and reproduce. Discusses how the worms contribute to soil conservation.

**WORMS TO WINGS (MIS)**

j-h 17 minutes Color: \$3.65  
Photomicroscope and time-lapse photography present the life cycle of the swallow tail butterfly which exhibits the characteristics of complete metamorphosis.

**WRECK OF THE HESPERUS (MIGHTY MOUSE) (UW)**

p-i 6 minutes B&W: \$1.70  
A hurricane hits the Hesperus. The mouse crew is helpless but Mighty Mouse hears S.O.S. and dashes to the rescue.

**WRENCHES (USOE)**

j-h-c 19 minutes B&W: \$3.15  
Explains types and uses of various wrenches. Shows the damage which may result from incorrect and dangerous practices in using them.

**WRESTLING FUNDAMENTALS AND TECHNIQUES: PART I, TAKEDOWN AND COUNTERS (UMI)**

h-c 11 minutes B&W: \$2.15  
A photographic study of the points to be observed in this phase of wrestling.

**WRESTLING FUNDAMENTALS AND TECHNIQUES: PART II, ESCAPES AND REVERSALS (UMI)**

h-c 11 minutes B&W: \$2.15  
Points out the "how to" of escapes and reversals.

**WRESTLING FUNDAMENTALS AND TECHNIQUES: PART III, RIDES AND PIN HOLDS (UMI)**

h-c 22 minutes B&W: \$3.65  
Studies the fundamentals of rides and pin holds in amateur wrestling.

**WRESTLING THRILLS (OF)**

h-c-a 8 minutes B&W: \$1.70  
Grunts and groans from the padded arena. Plenty of thrills and laughs as the men and women wrestlers go through frantic antics that end up in a sizzling battle royal.

**WRIGHT BUILDS FOR AIR SUPREMACY (CWC)**

j-h-c-a 25 minutes B&W: \$2.15  
Illustrates the process of production of different parts of airplane engines at Curtiss Wright plants. Stresses the need for accuracy in the production of these parts. Shows many different tests and inspections which are given to the parts before they are stamped approved.

**WRITING BETTER BUSINESS LETTERS (C)**

j-h 10 minutes B&W: \$2.15  
Emphasized are the three principal characteristics of a good business letter—clarity, brevity, and courtesy. Proper form and procedure are explained. The result is the prompt attention given to a good business letter.

**WRITING BETTER SOCIAL LETTERS (C)**

j-h 11 minutes B&W: \$2.15  
Writing letters for many people is a chore, an effort to be put off and finally done—unsatisfactorily. This film shows that



good letters can be written easily and naturally, and makes a pleasant occupation out of what was once an unpleasant task. Simple principles of letter writing which will help students write better social letters with less effort are effectively demonstrated.

### WRITING FORCEFUL SENTENCES, PART I (THE QUILL SERIES) (NET)

h-c-a 28 minutes B&W: \$5.65

Professor Edwin Peterson emphasizes that great writing results from straight thinking. He explains what a sentence is, how major and minor ideas are structured in a sentence, and how the conjunction "and" deludes writers. He uses the opening sentence of *The Fall of the House of Usher* as an example of one of the greatest sentences in the English language.

### WRITING FORCEFUL SENTENCES, PART II (THE QUILL SERIES) (NET)

h-c-a 30 minutes B&W: \$5.65

Dr. Edwin Peterson discusses and illustrates five methods for putting a sentence together to say exactly what is meant; (1) arranging the words in order of importance; (2) placing the major idea in the main clause and the minor one in the subordinate clause; (3) keeping the minor clause in the beginning and the major clause at the end; (4) keeping the reader in suspense until the end of the sentence; and (5) inverting the sentence order.

### WRITING THROUGH THE AGES (EB)

i-j-h 10 minutes B&W: \$2.15

Presents a chronological history of writing as a means of communication. Shows how writing evolved from pictures and signs and illustrates that local materials used as writing tools influenced the methods of sign making and writing. Depicts significant features of early Chinese, Mesopotamian, and Egyptian writings. Stresses contributions of Phoenicians, Greeks, and Romans to our present alphabet.

### WRONG WAY BUTCH (TFC)

h-c-a 10 minutes B&W: \$1.65

A Pete Smith Specialty in which Dave O'Brien plays the part of a mechanic who disregards all safety rules and demonstrates the near-fatal mishaps that can result in shops and factories. *Restricted to Classroom Use.*

### WRONG WAY OUT (TFC)

h-c-a 18 minutes B&W: \$3.15

A dramatic presentation of the youthful impatience of two young lovers. Against their parents' advice, they go to the big city to earn their living. After spending their meager savings, they both begin working in a night club and eventually find themselves making money unlawfully. The tragic end comes when the young man is shot as he tries to escape from a police trap. *Restricted to Classroom Use.*

### WYOMING (THIS LAND OF OURS SERIES) (IFI)

i-j-h 8 minutes Color: \$2.65

The oil fields and vast expanses of timber, plains, and grasslands. Also the most important cities, including Casper, the second largest city and the center of the state's great oil industry. Yellowstone National Park is shown.

### X-RAY CRYSTALLOGRAPHY (ADVANCED SCIENCE SERIES) (McGH)

e-a 21 minutes B&W: \$4.50

Explains production and properties of X-rays and shows the way in which crystals can be used as diffraction gratings for X-rays.

### YAM GOES TO MARKET, THE (USDA)

h-c-a 22 minutes Color: \$2.15

This film follows movement of Louisiana yams from harvest fields to the American dinner table. Stresses correct handling practices of product in wholesale and retail stores and homes. Features favorite recipes.

### YANKS ARE COMING, THE (TFC)

general 11 minutes B&W: \$2.15

Composed of newsreel shots taken from 1917 to 1919, America is pictured under the influence of wartime emotions. The sailing of the *Lusitania* opens the action; next, we see newspaper headlines announcing the declaration of war. Ships are seen being built and fighting action on the Western front shows the Allies against the Germans. Finally, the armistice is celebrated. The peace conference, with pictures of Lloyd George, Clemenceau, and Woodrow Wilson, is seen. *Restricted to Classroom Use.*

### YANKS BOMB TOKYO (UW)

j-h-c 8 minutes B&W: \$2.15

In this film we see the detailed preparations which were made by Major Doolittle and his men prior to the historic raid on Tokyo. These scenes were taken aboard the United States aircraft carrier, the *Wasp*—"Shangri-La." The take-off of the heavy bombers is shown. Animated diagrams indicate the path of the flyers.

### YARN AND CLOTH CONSTRUCTION (C)

j-h 10 minutes B&W: \$2.15

Progressive stages of converting raw fibers into completed fabrics take up the manufacturing sequence. Magnification photography and analysis of each process help students learn the principles of buying cloth wisely.

### YEHUDI MENUHIN—VIOLINIST (REEL 9) (OF)

h-c-a 8 minutes B&W: \$2.35

Yehudi Menuhin plays *Sonata #1, D. Major, Opus 12*, by Beethoven, and *Perpetual Motion* by Paganini.

### YELLOW JACK (TFC)

j-h 29 minutes B&W: \$4.65

Depicting the work of Dr. Reed and his colleagues in Cuba, this excerpt from the feature photoplay visualizes the manner in which the Yellow Fever Commission wiped out "yellow jack." Balked in his efforts to find a cure, Dr. Reed decides to test the theory of Dr. Carlos Finlay, whose studies had convinced him that the stegomyia mosquito is the carrier of the disease. Dr. Reed calls for volunteers who will risk their lives in an experiment, and five American soldiers agree to submit themselves to the test. The results proved that the stegomyia was the carrier, and by wiping out the mosquitoes, the Commission eliminates the disease in Cuba. *Restricted to Classroom Use.*

### YELLOWSTONE (OTT)

j-h-c-a 10 minutes Color: \$3.40

Yellowstone National Park exhibits several of its scenic wonders through the marvel of color photography. Yellowstone Falls, Morning Glory Pool, and Dragon's Mouth Cave indicate nature's wonders in the out-of-doors.

### YELLOWSTONE, AND THE GRAND TETONS (PHP)

i-j-h-a 19 minutes Color: \$6.25

Recreational facilities as well as natural wonders and wild life of the parks make this a great outdoor playground for vacationers. Aerial views of geysers in action round out the visit to the national parks.

### YOSEMITE (EB)

j-h-a 19 minutes Color: \$5.65

Various stages in the development of the valley make this appropriate for geological consideration. Landmarks such as El Capitan, Half Dome, Yosemite Falls, and giant sequoia display their trademarks.

### YOSHI NO YAMA (A CLASSICAL JAPANESE DANCE) (BRF)

h-c-a 20 minutes Color: \$7.10

A single dancer tells the story of three friends of different temperaments with the unusual choreographic use of the on-stagehand (or "figure in black"). A preface shows the application of Kabuki makeup, and the dance itself, a Bujo dance with the stylization and refinement of the Noh tradition, is performed with masks and characteristic folk humor and art.

### YOU AND MACHINES (UW)

i 14 minutes Color: \$4.70

Two basic machines, the lever and inclined plane, are illustrated, and their use in complex machines is portrayed.

### YOU AND YOUR ATTITUDES (ASF)

h 11 minutes B&W: \$2.15

The Barrett family gathers around the dinner table to discuss "social attitudes"—money and allowances, foreign groups, the new girl on the block, and the prejudices which create unintelligent attitudes.

### YOU AND YOUR BICYCLE (PRP)

general 8 minutes B&W: \$1.65

Covers all phases of bicycle safety, including maintenance. Shows the necessity for alertness; correct arm signals; types of intersections and what to watch for; varying road surfaces;



where and how to park; hazards to watch for while riding; riding at night; how to carry bundles, etc. A portion of the film shows unsafe practices to avoid. In this group are shown hitching rides, stunting, riding double, passing cars on the wrong side, etc.

### **YOU AND YOUR CLASSROOM (EDH)**

c-a 10 minutes Color: \$3.05

Fourteen open-ended episodes involving classroom control and discipline are presented. Selection of the filmed episodes was made after a survey of several hundred teachers revealed these problems to be the most prevalent in the elementary classroom.

### **YOU AND YOUR EARS (THIS IS YOU SERIES) (WDP)**

i 8 minutes Color: \$3.15

Explains the structure and operation of the three main sections of the ear: the outer ear gathers in the sound waves and carries them into the auditory canal; the middle ear receives the sound reverberating through the eardrum and picks up the tune; and the auditory nerve in the inner ear carries the complete sound to the brain.

### **YOU AND YOUR EYES (THIS IS YOU SERIES) (WDP)**

i 8 minutes Color: \$3.15

Jiminy Cricket explains the structure and anatomy of the eye by comparing it with a camera. The film stresses the safety features designed by nature to protect the eyes and the simple health rules for taking care of the eyes.

### **YOU AND YOUR FAMILY (ASF)**

h-c 7 minutes B&W: \$1.90

Designed to help audiences discuss the problems of how young people and their parents should act toward one another in the everyday affair of living together. Shows typical family problems and invites the observer to join in the discussion following the showing of the film.

### **YOU AND YOUR FIVE SENSES (THIS IS YOU SERIES) (WDP)**

i 8 minutes Color: \$3.15

Jiminy Cricket explains the five senses: hearing, smell, taste, sight, and touch. The film shows why some of man's five senses are more highly developed than others, and points out how man has been able to compensate accordingly.

### **YOU AND YOUR FRIENDS (ASF)**

h-c 7 minutes B&W: \$1.90

This is a participation film showing a teen-age party. The audience is asked to listen to the dialogue and watch the action on the screen carefully in order to evaluate different types of behavior.

### **YOU AND YOUR JOB (UW)**

h-c-a 10 minutes B&W: \$1.65

Portrays the importance of trained, responsible men in the production of safe pasteurized milk, the extent of milk-borne disease, and how it is spread.

### **YOU AND YOUR PARENTS (C)**

i-j-h-a 13 minutes B&W: \$3.55

The issue of parental authority is the one that touches every home where there are growing children. The process of "growing away" from the family is described as a natural and normal one. But audiences will see how it can lead to difficulties in the home if both parents and children do not take the time to understand each other's problems. The film points out that greater freedom and responsibility are given to children on the basis of real maturity, not just physical age.

### **YOU AND YOUR TIME (ASF)**

j-h-c-a 9 minutes B&W: \$2.15

Deals with the proper and improper use of time and presents four typical situations as a basis for discussion.

### **YOU AND YOUR WORK (C)**

h-c 10 minutes B&W: \$2.15

Being satisfied and happy in one's work, the right attitude and approach to a job, achieving personal adjustment—these are basic problems which the vocational guidance worker must help others solve. This is the story of Judd Taylor, his failure in a good job, and his ultimate rehabilitation and success.

### **YOU CAN BEAT THE A-BOMB (McGH)**

h-c-a 20 minutes B&W: \$3.40

Shows that your chances of surviving the A-bomb attacks are better than you think. You are not helpless, but you may

have only 3 seconds to act. Stresses preventive measures to be taken—types of bomb shelters, building safety, first aid for victims, and how to dispose of contaminated food and clothing.

### **YOU CAN MAKE A MILLION (McGH)**

j-h-a 15 minutes B&W: \$3.75

Shows the budding inventor the steps for taking out a patent to protect and help merchandise his "brain child." The bobby pin, the paper clip, the zipper, the bottle cap are some of the simple devices which have earned fortunes for their inventors. Toys, too, are great money-makers. Such simple playthings as the kiddy car, the diaper doll and the metal construction set have brought in millions.

### **YOU CAN WIN ELECTIONS (AFL-CIO)**

j-h-c-a 20 minutes B&W: \$2.15

Tells the story of Arthur Barnes, an ordinary citizen, and how he became active in a local election. Demonstrates the decisive role that a single, activated citizen can play in elections when he uses professional political techniques.

### **YOU CAN'T RUN AWAY (TFC)**

j-h-c 26 minutes B&W: \$6.75

An excerpt from Faulkner's "Intruder in the Dust"—a boy's fight to win justice for a Negro friend. *Restricted to Classroom Use.*

### **YOU—THE HUMAN ANIMAL (THIS IS YOU SERIES) (WDP)**

i 9 minutes Color: \$3.15

Shows some of the main differences between human beings and other animals. The abilities of man to use language; to adapt himself to any environment; to manipulate tools skillfully; and, above all, to think—set him apart from all other living creatures.

### **YOU, THE PEOPLE (TFC)**

h-c 22 minutes B&W: \$3.40

This dramatic film features the operations of a corrupt city political machine. Methods of coercing campaign contributions, stuffing ballot boxes, and persuading citizens that voting is of no use are effectively portrayed. This picture successfully implies that the cast might be any Mr. and Mrs. Citizen. *Restricted to Classroom Use.*

### **YOUNG MISTER AMERICA (IH)**

h-c-a 29 minutes B&W: \$2.15

The story of a young man's visit to an International Harvester plant. Explains the operations of a large corporation.

### **YOUNG MOTHER HUBBARD (AVF)**

p-i 9 minutes Color: \$3.05

A new version of the film, FOUNDATION FOODS. The two films are alike in many respects, but this film is intended mainly for the primary and lower elementary grades. This film shows simplified food groupings instead of the "Basic Seven" chart.

### **YOUNG URUGUAY (UW)**

i-j-h-c-a 17 minutes B&W: \$2.90

Shows the young people of Uruguay at home, play, and school. Emphasizes progressive steps being made in education. Includes scenes of primary schools, special classes for children from families whose histories show tuberculosis, rural schools, athletics in secondary schools, and music education.

### **YOUNGER GENERATION (McGH)**

p-i 11 minutes Color: \$3.60

Shows the feeding habits, care of the young, and antics of the "baby" animals in the Bronx Zoo in New York City.

### **YOUR BODY DURING ADOLESCENCE (McGH)**

j-h-c-a 10 minutes B&W: \$2.35

Teenagers, between the ages of 13 and 15, have a wide range of sizes and shapes. They are changing from childhood to adulthood during these years. The functions of the glands and how they influence growth are explained.

### **YOUR CHILDREN AND YOU (BIS)**

general 31 minutes B&W: \$4.15

This film is concerned with the care of young children from the first months to the age of four or five. Offers practical information on sound physical training and psychological han-



dling of the child with emphasis on the prevention of unnecessary fears, of boredom, and of maladjustment. Suggests how to make early childhood a healthy, wholesome and delightful experience for both parents and child.

### **YOUR CHILDREN WALKING (McGH)**

c-a 19 minutes B&W: \$4.15

A review of different types of feet and their normal functions is followed by suggestions to parents on the care of children's feet. Advises on how to select and care for shoes and socks, the need for sufficient exercise, and the necessity of consulting a doctor about correcting foot troubles or purchasing proper fitting shoes.

### **YOUR CHILDREN'S EARS (BIS)**

general 16 minutes B&W: \$3.15

Few people are born deaf, and all too frequently loss of hearing in later life is due to carelessness and ignorance. In this film, the physiology of the ear is explained in detail by animated diagrams. Often children who appear dull and unresponsive are suffering from hearing difficulties, which can easily be cleared up if given proper medical attention.

### **YOUR CHILDREN'S EYES (BIS)**

h-c-a 20 minutes B&W: \$3.15

Rest, recreation, and good food are necessary to healthy eyesight. Medical advice must be sought in cases of organic defects or diseases, but the application of logical common sense in daily life will keep a healthy eye healthy. Amusing animated diagrams depict the physiology and care of the eye.

### **YOUR CHILDREN'S MEALS (BIS)**

c-a 14 minutes B&W: \$2.65

This is a lively and imaginative attempt to make parents understand the reasons for good eating habits. In a series of incidents, the film points out many of the difficulties which occur three times a day. There are no ready-made solutions to each problem, but the film shows parents how they can see mealtime from the child's point of view as well as their own and suggests different ways of making foods attractive.

### **YOUR CHILDREN'S PLAY (McGH)**

c-a 20 minutes B&W: \$4.15

Illustrates how children learn by playing—how they acquire knowledge, physical dexterity, and an understanding of the world about them. Explains how play activities channel their emotional states. Stresses the importance of constructive and intelligent attitude of the parents toward children's play.

### **YOUR CHILDREN'S SLEEP (BIS)**

h-c-a 25 minutes B&W: \$3.65

Gives adults a conception of some typical problems in a child's mind, and shows how these problems may be frightening to the child, causing sleeplessness and even nightmares. Stresses the importance of sound, healthy sleep, and shows how it can be insured for children.

### **YOUR CHILDREN'S TEETH (BIS)**

h-c-a 12 minutes B&W: \$2.65

The film explains the structure of first and second teeth. The child should be given a well-balanced diet and taught the proper method of brushing the teeth. Decay should be attended to at once, for in its advanced stages it may poison the whole system.

### **YOUR DOCTOR (McGH)**

j-h-c-a 15 minutes B&W: \$3.75

Surveys the various services which doctors perform for mankind. Features the work of a general practitioner in the mountains of North Carolina who must travel by jeep to reach many of his patients. Highlights the work of the American Medical Association and tells of the education and training that students receive before they get their M.D. degree.

### **YOUR EARNING POWER (C)**

j-h-c 9 minutes B&W: \$2.15

The film tells of five conditions which influence earning power: economic conditions, the kind of job selected, the amount of one's education, personal qualities, and one's ability to produce. Helps to gain insight into the personal improvement of earning power.

### **YOUR EARS (YA)**

i-j-h 9 minutes B&W: \$2.15

Illustrates the construction of the human ear and the function of each of its parts. Discusses the manner in which certain diseases cause deafness, and stresses the necessity for proper care of the ears. Shows how sound waves are transmitted to the brain.

### **YOUR EYES (YA)**

j-h-c 9 minutes B&W: \$2.15

Animation and photography are used to show the structure and function of the eye. Explains farsightedness and nearsightedness and the ways of correction. Stresses the importance of proper care of the eye and its component parts.

### **YOUR FAMILY (C)**

p-i 10 minutes B&W: \$2.25, Color: \$3.40

Through mutual understanding, acceptance of responsibility and cooperation, the Brent family has achieved the unity necessary to a happy home. This picture develops an appreciation and understanding of the family as a social unit and the important role the individual plays in it.

### **YOUR FAMILY BUDGET (C)**

j-h-c-a 10 minutes B&W: \$2.25

A family learns to plan and operate a budget on the basis of four main divisions—essential expenses, operating expenses, funds for family advancement, and savings. Participation develops greater interest in family activity.

### **YOUR FRIEND, THE DOCTOR (C)**

p-i 10 minutes B&W: \$2.15

Understanding the functions of the doctor motivates children to "be friends" with him. Young audiences will understand what the doctor does and why it is important to cooperate with him.

### **YOUR FRIEND, THE FOREST (EB)**

p-i 6 minutes Color: \$2.40

Shows the forest as a home for birds and animals, as a source of lumber for man, and as a place of recreation, but points out that it cannot protect itself from its greatest enemy—fire.

### **YOUR FRIEND, THE SOIL (EB)**

p-i 6 minutes Color: \$2.40

Uses both animation and photography to present an appealing and graphic illustration of the importance of our natural resources. Shows that good soil and the good food it produces are part of each child's heritage.

### **YOUR FRIEND, THE WATER (EB)**

p-i 6 minutes Color: \$2.40

Sources and values of pure water are shown in striking contrast to the causes and wastefulness of water pollution. Both clean and dirty water are presented in terms that young children will appreciate.

### **YOUR GIANTS IN THE EARTH (PCC)**

h-c-a 14 minutes B&W: \$2.15

Story of the men and machines which mine coal in a modern mine. Describes the mining of coal from the time the miners enter the mine until the coal is delivered to its consumer. Shows modern safety devices in coal mining and the important use of coal in modern industry.

### **YOUR HEALTH AT HOME (C)**

i-j 10 minutes B&W: \$2.15

Shows that personal cleanliness, proper rest, good food habits, and cheerful, friendly attitudes on the part of the family members all contribute to a healthy, happy home.

### **YOUR HEALTH AT SCHOOL (C)**

i-j 10 minutes B&W: \$2.15

Illustrates what the school does to provide a pleasant, clean, and healthful atmosphere. Indicates that children can help by observing good personal health habits and by promptly reporting illnesses or injuries to their teachers.

### **YOUR HEALTH DEPARTMENT (NMP)**

j-h-a 20 minutes B&W: \$3.55

The activities of the public health department are many and varied. Following are but a few of the areas in which the health department concerns itself: venereal disease, childbirth, tuberculosis, immunization, communicable diseases, pasteurization of milk, purification of water. Although produced in 1941, the functions depicted in this film are still practiced.

### **YOUR HEALTH: DISEASE AND ITS CONTROL (C)**

i-j 9 minutes B&W: \$2.15

Shows how harmful microbes are carried and spread and how they enter the body and get beyond the body defenses to cause sickness. Encourages children to help control disease by protecting themselves from disease carriers and by building up their body defenses.



**YOUR HEALTH IN THE COMMUNITY (C)**

i-j 10 minutes B&W: \$2.15  
 Depicts the services of a public health department and other departments aimed at maintaining and improving the health of the community and suggests how the individual may cooperate in his community's health program.

**YOUR INDIANA STATE PARKS (IU)**

j-h-c-a 20 minutes Color: \$4.50  
 After locating all of the existing parks on a relief map, the film pictures the four seasons at the height of their splendor in eight widely-scattered parks within the state.

**YOUR MEAT INSPECTION SERVICE (USDA)**

h-c-a 28 minutes Color: \$2.15  
 Graphically tells the story of those who guard the wholesomeness of our nation's meat supply: the Federal Meat Inspectors. Shows their watchfulness over sanitary conditions in stockyards and processing plants, examination of live animals and carcasses, and testing of meat products in laboratories for healthfulness, so that the American consumer can have full assurance that meat with the "stamp of approval" is a quality product. The film instills a new understanding of the value of the famous symbol of this service—the purple stamp that means U.S. Inspected and Passed.

**YOUR MOVIE CAMERA AND HOW TO USE IT (BFS)**

j-h-c-a 9 minutes B&W: \$2.15  
 Humorous presentation is designed to help the amateur enjoy his camera. Featured are: value and use of tripod, over and under exposure, proper framing, panning, use of close-ups, medium shots, long shots, length of scenes, various film speeds and their effects.

**YOUR NATIONAL GALLERY (UW)**

i-j-h-c-a 10 minutes B&W: \$2.15  
 A motion picture tour through the National Gallery of Art at Washington, D. C. The camera looks at the priceless paintings, sculpture and tapestries, going down massive corridors, stopping before especially outstanding masterpieces, going in for a closer look, then proceeding on to new treasures. Rembrandt, Reubens, Renoir, Gainsborough, Romney, Reynolds, Van Dyke, Whistler, as well as some of America's own immortal originals are shown.

**YOUR PERMIT TO DRIVE (DRIVER EDUCATION) (GM)**

h-c-a 10 minutes B&W: \$1.65  
 Film reawakens drivers to what their permit to drive really means—the right to share the road with fifty million other drivers and a responsibility to respect the rights of others by courteous, sportsmanlike driving.

**YOUR POSTAL SERVICE (McGH)**

i-j-h 18 minutes B&W: \$3.25  
 The inner workings of the U. S. Post Office including the hundreds of thousands of men and women who daily cope with the ever-increasing avalanche of mail. Behind all this are the postal inspectors who protect the privacy of our communications and safeguard the things of value while they are in the mail.

**YOUR SCHOOL SAFETY PATROL (AAA)**

p-i 15 minutes Color: \$2.70  
 Begins with a school assembly program where the school safety patrol is given recognition for the work it has done. There are details of safety patrol activities and training.

**YOUR SHARE IN TOMORROW (MTP)**

j-h-c-a 27 minutes Color: \$2.15  
 Depicts the growth and industrial expansion of America and the role of investors in the nation's development. Explains stock transactions, the function of brokers, and tells how everyone can have a share in America's boundless future.

**YOUR TABLE MANNERS (YA)**

p-i 11 minutes B&W: \$2.15  
 A typical family situation to demonstrate and explain the nature and importance of good table manners.

**YOUR TEETH (YA)**

i-j 10 minutes B&W: \$2.15  
 The growth and structure of teeth, how the baby teeth grow and are replaced by permanent teeth, the parts of a tooth and the manner in which a tooth decays are all shown. The importance of proper food and proper care in building strong teeth and preventing tooth decay is stressed.

**YOUR THRIFT HABITS (C)**

j-h 10 minutes B&W: \$2.15  
 Through this film, students will realize that by setting up a budget for systematic savings, by careful buying, doing without extravagances, and choosing between immediate and future satisfactions, they may attain many material goals in life.

**YOUR TICKET TO BETTER BUYING (WE)**

h-c-a 22 minutes B&W: \$2.15  
 Shows how an electric range operates and how the range is made and tested. Advises the viewer to look for informative labeling on all products bought.

**YOUR VOICE (EB)**

j-h 10 minutes B&W: \$2.15  
 The four phases of voice production are explained: respiration, phonation, resonance, and articulation. Real-life photography shows the vocal folds in operation. Exercises for the improvement of the voice are suggested.

**YOU'RE GROWING UP (BFS)**

i-j-h 10 minutes B&W: \$2.35  
 This film deals with some of the complicated physical and emotional processes of growing up. Four major periods of physical growth are considered: 1. Birth to age three, 2. age four to ten, 3. 11 to 16, 4. 17 to age 20. The film discusses the normality of individual differences and attempts to alleviate some of the fears resulting from natural physical and emotional changes.

**YOU'RE THE DOCTOR (AHO)**

h-c-a 19 minutes B&W: \$3.15  
 Stresses the important role of the hospital in community life, and the various professional services available to patients in the hospital.

**YOURS FOR A SONG (AMNH)**

general 22 minutes Color: \$6.65  
 Presents in beautiful color twenty-four species of birds attracted to a yard providing the three necessities for bird life—food, water, and shelter. Portrays various kinds of shelters, water containers, and many types of food, all of which will appeal to different species.

**YOURS IS THE LAND (EB)**

i-j-h-c-a 20 minutes Color: \$6.65  
 Stresses the interdependence of the four great natural renewable resources: soil, water, forests and grasslands, and animal life. Portrays ways in which some of these resources came to be. Exposes the results of man's practice of taking too much from the earth in too short a time. Emphasizes the need for a system of orderly management of our natural resources.

**YOURS TRULY, ED GRAHAM (ILI)**

h-c-a 20 minutes B&W: \$2.15  
 Presents the story of typical people and their problems, particularly their search for personal and family security. Shows the role of the life insurance agent in his community.

**YOUTH TRAINS FOR AVIATION (CAA)**

i-j-h 8 minutes B&W: \$2.15  
 Shows how our air-minded youth, through their activities in building and flying model airplanes, are learning the fundamental principles of flight; how their eager fertile brains are creating new types—new wings—even radio controlled planes; that here is the great reservoir from which will come the hundreds of thousands of designers, pilots, mechanics, and aircraftsmen that will be needed for the protection of our country and the development of the vast opportunities of aviation's great future.

**YUGOSLAV VILLAGE (C)**

i-j 9 minutes B&W: \$2.15  
 Life in a small village in Central Bosnia is pictured—the home life, working in the fields, the children going to school, and the excitement of a market day in Sarajevo. Methods of travel, articles of trade, and the religious life in Yugoslavia are studied.

**YUGOSLAVIA (C)**

j-h-c-a 11 minutes B&W: \$2.25  
 Surveyed are: coastal mountain ranges, offshore islands, inland mountainous region, Neretva River System, wooded mountain areas, and the plain of the Danube. City life in Sarajevo and Belgrade, farming conditions and the economic developments in Yugoslavia are illustrated.



**ZINC—ITS MINING, MILLING, AND SMELTING (USBM)**

j-h-e                      30 minutes                      B&W: \$2.15  
Locates zinc-bearing ore in the United States; then shows the miners going to work and entering the mine tunnels. Describes the process of obtaining the ore, transporting it to the mill, and smelting the ore to produce zinc oxide and metallic zinc. Explains how these and other by-products are made; shows the principal industrial uses of zinc oxide and metallic zinc.

**ZOO, THE (EB)**

p-i                      11 minutes                      B&W: \$2.35, Color: \$3.40  
A colorful visit to one of the world's largest, most modern zoos, where animals are observed in areas simulating their natural habitats. Shows polar and kodiak bears, lions, tigers, kangaroos, alpacas, giraffes, zebras, baboons, sea lions, hippopotami, rhinoceri, and elephants.

**ZOO ANIMALS OF OUR STORYBOOKS (C)**

p                      10 minutes                      Color: \$3.40  
Shows zoo animals in action—bears, elephants, foxes, lions, zebras, and giraffes.

**ZOO BABIES (C)**

p                      11 minutes                      B&W: \$2.15, Color: \$3.40  
Directs the attention to the physical characteristics and habits of the zoo animals and their offspring.

**ZOO BABY ANIMALS (EB)**

p                      11 minutes                      Color: \$3.80  
Children have an opportunity to look behind the scenes at the zoo—to see activities in the kitchen and hospital; to see how baby animals are fed and cared for by their keepers. The film also shows many animals in attractive settings and in “children’s zoo” sections in the famous Lincoln Park and Brookfield Zoos of Chicago. Baby animals featured in the film are the lion, tiger, gorilla, bear, elephant, harbor seal, kudu, llama, Barbary sheep, tapir, and baboon.

**ZOO’S WHO (OF)**

p-i-j-h                      9 minutes                      B&W: \$1.50  
A tour of a modern zoo—where large enclosures surrounded by moats are used instead of cages. Training of lions, tigers, elephants, penguins, seals, and monkeys.



## INDEX TO PRODUCERS AND DEPOSITORS

A	Academy Films	BHG	Better Homes & Gardens
AAA	American Automobile Association	BIA	Bicycle Institute of America
AACC	Association for the Aid of Crippled Children	BIS	British Information Service
AAER	Air Age Educational Research	BNI	Brand Names Foundations, Inc.
AAF	Army Air Force	BR	Bray Studios
AAP	All American Productions	BRF	Brandon Films, Inc.
AAR	Association of American Railroads	BSA	Boy Scouts of America
AB	Arthur Barr Productions	BU	Baylor University
ABA	American Bakers Association	BUP	Burnwood Productions
ABS	American Bible Society	BY	Byron, Inc.
AC	American Can Company		
ACFC	Academic Film Company	C	Coronet
ACS	American Cancer Society	CA	Columbia Pictures Corporation
AE	Aetna Life Affiliated Company	CAA	Civil Aeronautics Administration
AF	Artists Films	CAF	Carlin Films
AFF	A. F. Films, Inc.	CAL	Carousel Films
AFL	American Federation of Labor	CAR	Cathedral Films
AFLA	American Fencers League of America	CAT	Caterpillar Tractor Company
AFMA	American Feed Manufacturers Association	CAV	Caravel Films
AFME	American Friends of the Middle East	CBS	Columbia Broadcasting System
AFP	American Film Producers	CC	Calvin Company
AFPA	American Forest Products Association	CCC	Cinema Craft Company
AFR	American Film Registry	CCP	Church-Craft Productions
AFS	American Film Services	CE	Ceylon Embassy
AGR	Agra Films	CEC	Centron Corporation
AHO	American Hospital Association	CENCO	Central Scientific Company
AI	Athletic Institute	CF	China Film Enterprises of America
AIA	American Institute of Architects	CFS	Capital Film Service
AIC	American Institute for Cooperation	CH	The Christophers, Inc.
AICPA	American Institute of Certified Public Accountants	CHP	Children's Productions
AJC	American Jersey Cattle Club	CI	Cereal Institute
AL	Almanac Films	CIAA	Coordinator of Inter-American Affairs
ALA	American Library Association	CIO	Congress of Industrial Organizations
ALC	Allis-Chalmers	CLUS	Co-operative League of the U. S.
ALCOA	Aluminum Company of America	CMP	Commercial Motion Pictures
ALE	Johanna Alemann Films	CN	Colburn Films
ALL	Allend'or Productions, Inc.	CO	Floyd W. Cocking
ALT	Audiovisual Language Teaching Service	COB	C. O. Baptista Films
AMA	Auto Manufacturers Association	COF	Cornell Film Co.
AMAA	American Arbitration Association	COFI	Contemporary Films
AMNH	American Museum of Natural History	CPC	Creole Petroleum Corp.
AMP	Allen-Moore Productions	CSD	Child Study Dept. Vassar College
AMPI	American Petroleum Institute	CT	Chicago Tribune
ANCA	American National Cattlemen's Association	CTC	Columbia University Teacher's College
ANIB	Australian News & Information Bureau	CTFL	Canadian Travel Film Libraries
ANL	American & National League of Professional Baseball	CU	Columbia University
ANTI	Anti-Defamation League	CVE	Catholic Visual Education, Inc.
AP	Audio Productions	CW	Churchill-Wexler
API	American Potash Institute	CWC	Curtiss Wright Corporation
ARC	American Red Cross	CWI	Colonial Williamsburg Films
ARCP	Archer Productions		
AS	Alan Shilin Productions	D	Dartnell Corporation
ASF	Association Films	DC	DuPont Corporation
AT	Atlantis Productions	DEL	Delta Film Productions
ATB	Arthur T. Brice	DFP	Duesing Film Productions
ATH	Athena Films, Inc.	DIS	Disraeli Films
ATL	Atlas Educational Film Co.	DKAA	DeKalb Agricultural Association
ATT	American Telephone & Telegraph	DM	Donavin Miller Productions
AUFC	Audio Film Center	DPA	Douglas Fir Plywood Association
AV	Avalon Daggett Productions	DPP	Pat Dowling Pictures
AVA	American Vocational Association	DPR	Douglas Productions
AVC	American Viscose Corporation	DRO	De Rochemont
AVED	Audio Visual Education	DY	Dynamic Films, Inc.
AVF	Avis Films		
		E	Eastman-Kodak Co.
B	E. C. Brown Trust	EB	Encyclopaedia Britannica Films
BB	Ball Brothers Co.	EDH	Educational Horizons
BC	Charles Bessler Co.	EDS	Educational Services
BCRI	Bureau of Communications Research	EFC	Elliott Film Company
BEF	Business Education Films	EFLA	Educational Film Library Association
BFC	Broadcasting & Film Commission	EH	Earl Hilfiker
BFP	British Foundation Pictures	EP	Edited Pictures
BFS	Bailey Film Service	EPC	Eastin Pictures Company
BH	Bell & Howell	ETC	Ethyl Corporation



F	Frith	J	Journal Films
FA	Film Associates	JBP	Julian Bryan Productions
FBIC	Farm Bureau Insurance Co.	JD	John Deere
FCA	Farm Credit Administration	JF	Jerry Fairbanks
FCE	Film Classic Exchange	JH	Jam Handy
FF	Foundation Film Corp.	JHC	Junior High School Council
FFC	Focus Films Company	JHP	Johnson Hunt Productions
FFF	Farm Film Foundation	JO	Julian Olansky
FFO	Ford Foundation	JSC	J. Spinhayer & Co.
FI	Films, Inc.	JTA	Japan Tourist Association
FII	Film Images, Inc.	JWP	Jackson Winter Productions
FMC	Ford Motor Company		
FOC	Films of Commerce	KB	Knowledge Builders
FON	Films of the Nations	KC	Kimberly-Clark Corporation
FP	Film Productions, Inc.	KER	Herbert Kerchow, Inc.
FPI	Film Publishers, Inc.	KRUSE	Kruse, Charles
FR	Franciscan Films	KS	Kansas State College
FS	Filmscope, Inc.	KSWC	Keystone Steel & Wire Co.
FSU	Florida State University	KVF	Kraft, Vernon, Film Productions
FTP	Fitzpatrick Travel Pictures		
FUDE	Foundation for Universal Driver Education	LAR	Marjorie S. Larsen
		LED	Lederle Laboratories
G	Walter Gutlohn	LFI	Library Films, Inc.
GA	Gateway Productions	LINE	Francis Raymond Line
GAF	Garrison Films	LJ	Lewis Jacobs
GDH	Guy D. Haselton	LOB	Lobett Productions
GE	General Electric	LOCK	Robert Lockard
GF	Gallagher Films, Inc.	LOF	Libby-Owens-Ford
GJ	Grover-Jennings		
GJB	George J. Ball	M	Mahnke, Carl
GLSC	Great Lakes Steel Corporation	MA	Medical Arts Productions
GM	General Motors	MAH	Marion Hoch
GNFI	Grand National Films, Inc.	MBI	Mogull Brothers, Inc.
GPP	General Pictures Productions	MCC	Mallinckradt Chemical Works
GSA	Girl Scouts of America	McGH	McGraw-Hill
		MCS	Mercer County Schools, W. Va.
H	Harmon Foundations, Inc.	MFA	MFA Mutual Insurance Co.
HAM	Hammermill Paper Company	MHFB	Mental Health Film Bureau
HC	Harding College	MID	Ken Middleham Productions
HCA	Harold Ambrosch Film Productions	MIS	Moody Institute of Science
HEW	Department of Health, Education, and Welfare	MITJ	Ministry of Industry and Trade of Japan
HFE	Hollywood Film Enterprises	MLI	Metropolitan Life Insurance Co.
HK	Hill and Knowlton	MLPFB	Merrill, Lynch, Pearce, Fenner & Beane
HNP	Heidenkamp Nature Pictures	MMA	Museum of Modern Art
HOL	Holst, Kenneth L.	MO	Moulin & Associates
HOP	Hoffberg Productions, Inc.	MOFF	Morris P. Moffatt
HP	Hullinger Productions	MORT	Morthole, E. L.
HPA	Hollywood Pan-American	MOT	March of Time
HPI	Health Publications Institute	MOV	Movies, U.S.A.
HR	Hal Roach	MPA	Motion Picture Associates
		MPC	Meredith Publishing Co.
I	Ideal Pictures	MPH	Methodist Publishing House
IAA	Illinois Agriculture Association	MPL	Mills Picture Corp.
IATSE	International Alliance of Theatrical Stage Employees	MSCS	Missouri State Conservation Commission
ICA	International Co-op Administration	MSTA	Missouri State Teachers Association
ICHS	Illinois Chiropractic Society	MTP	Modern Talking Pictures
ICS	Institutional Cinema Service	MUSP	Musart Productions
IF	Institutional Films	MWDSC	Metropolitan Water District of Southern California
IFB	International Film Bureau		
IFF	International Film Foundation	NA	Nu-Art Films, Inc.
IFI	Instructional Films, Inc.	NAM	National Association of Manufacturers
IG	International Geographic Pictures	NASSP	National Association of Secondary School Principals
IH	International Harvester	NBC	National Broadcasting Company
IHSA	Illinois High School Association	NBCO	National Bowling Council
IIAA	Institute of Inter-American Affairs	NBFU	National Board of Fire Underwriters
ILGWU	International Ladies Garment Workers Union	NEA	National Educational Association
ILI	Institute of Life Insurance	NEF	National Education Films
IME	Institute of Makers of Explosives	NET	National Educational Television
IMO	International Movie Producers Service	NFA	National Fertilizer Association
IMP	Impco, Inc.	NFBC	National Film Board of Canada
INHS	Illinois Natural History Survey	NFI	National Foundation for Infantile Paralysis
ISC	Iowa State College	NMH	National Mental Health Foundation
ISL	Illinois State Library	NMP	National Motion Picture Co.
ISO	International Screen Organization	NOR	Northern Films
ISU	Iowa State University	NPPA	National Probation & Parole Association
IU	Indiana University	NREA	National Restaurant Association



NSC National Safety Council  
 NSPB National Society for the Prevention of Blindness  
 NTB National Tuberculosis Association  
 NU Nebraska University  
 NW Northwestern University  
 NWLA National Wild Life Association  
 NYC New York Central Railroad  
 NYS New York State College  
 NYU New York University  
 NYZ New York Zoological Society  
 NZNFU New Zealand National Film Unit

O Orleans, Sam  
 OCDM Office of Civil & Defense Mobilization  
 ODMH Ohio Division of Mental Hygiene  
 OF Official Films  
 OIAA Office of Inter-American Affairs  
 ONI O'Neil-Irwin  
 OOC Ohio Oil Co.  
 OSG Osgood, Bob  
 OSU Ohio State University  
 OTT John Ott Pictures, Inc.  
 OWI Office of War Information

P Post Pictures Corp.  
 PAA Pan American World Airways  
 PAU Pan American Union  
 PB Pocket Books  
 PCA Portland Cement Association  
 PCC Peabody Coal Co.  
 PF Pictorial Films  
 PFC Picture Films, Inc.  
 PFCI Princeton Film Center, Inc.  
 PFI Park Films  
 PFPC Peerless Film Processing Corp.  
 PH Phase Films  
 PHP Paul Hoeffer Productions  
 PIZ Pizzo Films  
 PMA Perry-Mansfield  
 POR Portafilms  
 PPC Patriotic Pictures Corp.  
 PRA Proprietary Association  
 PRP Progressive Pictures  
 PSC Pennsylvania State College  
 PSN Public Service Network  
 PSU Pennsylvania State University  
 PTC Plumb Tool Co.  
 PW Pratt & Whitney Aircraft

R Riethof Productions  
 RAP Ralston Purina  
 RAY Reed H. Ray Film Industries  
 RB Reed & Barton  
 RC Rehm Corporation  
 REM Rembrandt Films  
 RF Ryan Films  
 RFA Religious Film Association  
 RFP Raymond Friedgen Productions  
 RKO Radio Pictures, Inc.  
 RO Robbin  
 ROG T. N. Rogers Productions  
 RPC Republic Pictures Corporation  
 RR Remington Rand  
 RS Republic Steel Corporation

SB Sullivan Bruce Productions  
 SBC Southern Baptist Convention  
 SBL South Bend Lathe Works  
 SC Scandia Films  
 SCP Scripture Press  
 SD Sid Davis Productions  
 SEF Seminar Films  
 SEFP Southern Educational Film Productions  
 SEL Selig Film Productions  
 SF Sterling Films  
 SFC Scientific Film Co.

SFL Select Film Library  
 SG Screen Gems, Inc.  
 SI Sugar Information, Inc.  
 16mmP 16mm Pictures  
 SM Simmel-Meservey, Inc.  
 SN Stanley Neil  
 SOC Shell Oil Company  
 SP Schulman Productions  
 SPEC Spectrum Films  
 SPI Shibo Productions, Inc.  
 SPS Sidney Paul Solow  
 SPSS S. P. Sexauer & Son Seed Co.  
 SPV Sports Vision, Inc.  
 SQ Squibb Company  
 SR Sovereign Productions  
 SRC Sinclair Refining Co.  
 SS Soyuzmultfilm Studios  
 SSF Social Science Films  
 STD Standard Oil Co.  
 STI Stout Institute  
 STR Henry Strauss & Co.  
 SU Syracuse University  
 SUTH Sutherland Productions  
 SVOC Socony-Vacuum Oil Co.  
 SW Swank Motion Pictures

T Transfilm, Inc.  
 TAE Teaching Aids Exchange  
 TBFL Tea Bureau Film Library  
 TC Teachers College, Columbia University  
 TFC Teaching Film Custodians  
 TH Thorne Films  
 TJB Thomas J. Barbre Productions  
 TOM Tompkins Films  
 TTV Trans-Atlantic TV Corporation  
 TU Tulane University  
 TUNBO Tunbo  
 TVA Tennessee Valley Authority  
 TWA Trans World Airways

UAW United Auto Workers  
 UC University of California  
 UDRA United Duroc Record Association  
 UI University of Illinois  
 UIO University of Iowa  
 UM University of Minnesota  
 UMI University of Michigan  
 UND Underwood Corporation  
 UNFD United Nations Film Division  
 UO University of Oregon  
 UOK University of Oklahoma  
 UON University of Nebraska  
 UPE University of Pennsylvania  
 UPRR Union Pacific Railroad  
 USAF United States Air Force  
 USBM United States Bureau of Mines  
 USC University of Southern California  
 USDA United States Department of Agriculture  
 USDC United States Department of Commerce  
 USDD United States Department of Defense  
 USDI United States Department of the Interior  
 USFS United States Forest Service  
 USI United Specialists, Inc.  
 USIA United States Information Agency  
 USN United States Navy  
 USOE United States Office of Information  
 USRC United States Rubber Co.  
 USTF United States Federal Reserve Bank  
 USTFH United States Field Hockey Association  
 USW United States Weather Bureau  
 USWA United Steelworkers of America  
 UUH Urbana University High School  
 UW United World  
 UWA University of Washington  
 UWI University of Wisconsin



VDE	Virginia Department of Education	WE	Westinghouse Electric Corporation
VF	Viking Films	WEB	Workers Educational Bureau
VGf	Vocational Guidance Films	WFFD	White Fathers Film Distributors
VSBE	Virginia State Board of Education	WHF	World Horizon Films
		WLF	Wild Life Films
WAR	World Artists, Inc.	WPN	Warner Pathe News
WAW	Walter A. Wittich	WPP	Wilding Picture Productions
WB	Warner Brothers	WU	Wayne University
WBSP	Western Beet Sugar Production		
WCTU	Women's Christian Temperance Union	YA	Young America
WDP	Walt Disney Productions		







**UNIVERSITY OF ILLINOIS • VISUAL AIDS SERVICE**

CHAMPAIGN, ILLINOIS

367-6611

EXT. 518 OR 519

## APPLICATION FOR FILM BOOKINGS

Order Date \_\_\_\_\_

Patron's Order No. \_\_\_\_\_

**SHIPPING INSTRUCTIONS: (Please print or type)**

Institution

Borrower's Name

Street Address

City and State \_\_\_\_\_

Substitution may be made as to date . . . Yes\_\_\_\_\_ as to title . . . Yes\_\_\_\_\_

(We will not substitute date or title unless authorized)

Please observe the following restrictions or vacation schedule\_\_\_\_\_

\_\_\_\_\_. Invoice us for these films ( )

## HELPS IN ORDERING

1. Order as early as possible—use this application.
2. List films in chronological order; saves you shipping costs.
3. Place but one film on a line—use complete, correct titles.
4. Specify when films are desired in color.
5. Indicate exact date or dates of use.

[illegible]



[illegible]



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Institution

Borrower's Name

Street Address

City and State \_\_\_\_\_

**BILLING INSTRUCTIONS:**

Individual or Institution (If school please give Dist. No.)

Official to be addressed

Street Address

City and State \_\_\_\_\_

Substitution may be made as to date . . . Yes\_\_\_\_\_ as to title . . . Yes\_\_\_\_\_

*(We will not substitute date or title unless authorized)*

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Borrower's Name \_\_\_\_\_

Street Address

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Substitution may be made as to date . . . Yes\_\_\_\_\_ as to title . . . Yes\_\_\_\_\_

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Please observe the following restrictions or vacation schedule\_\_\_\_\_

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## HELPS IN ORDERING

1. Order as early as possible—use this application.
2. List films in chronological order; saves you shipping costs.
3. Place but one film on a line—use complete, correct titles.
4. Specify when films are desired in color.
5. Indicate exact date or dates of use.

[illegible]



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[illegible]



# NEW FILMS

The following new films were received too late to be included in the alphabetical listing.

## AGRICULTURE'S SHOWCASE ABROAD (USDA)

**h-c-a**                      13½ minutes                      Color: \$2.15  
Illustrates millions of the world's potential customers seeing, feeling, and tasting American farm products colorfully and dramatically on display at International Trade Fairs—from Tokyo to Zabreb, Europe to Latin America. In this film, we watch our friends abroad enjoy many of the miracles we have taken for granted—instant dry milk, fried chicken, and the supermarket.

## ARITHMETIC: ESTIMATING AND CHECKING ANSWERS (C)

**i-j**                      11 minutes                      B&W: \$2.35  
The key to estimating answers is knowing how to round off numbers. This film shows rounding off procedure, and how to apply rounded off numbers in estimating answers, for help in solving problems with large numbers, in catching errors, and in placing the decimal point. The importance of checking as a means of being sure of a correct answer is emphasized.

## BILLY'S HELICOPTER RIDE (C)

**p**                      11 minutes                      Color: \$3.60  
Billy is surprised by a trip to the heliport and a ride in a helicopter with his Uncle Joe. What Billy learns about helicopters and what he sees during his flight, hovering over the countryside and city, will fascinate pupils and provide a stimulus for reading and story-telling.

## COMPETITION IN BUSINESS (C)

**j-h**                      13½ minutes                      Color: \$4.80  
This film explains the concepts underlying business competition and shows how competition and its key factor, variety, are basic to our free enterprise system. We learn how competition, both direct and indirect, works on several levels, including price, service, quality, and the development of new and improved products.

## COTTON—FROM FIBER TO FABRIC (McGH)

**h-c**                      23 minutes                      Color: \$7.65  
The theme of this film is the partnership of science and nature to produce today's version of the fiber which has served man for 5,000 years. Time-lapse photography shows the cotton plant emerging from the ground, growing, flowering and fruiting. Animated drawings show the cellular development and structure of the cotton fiber. Also shows scenes in a textile factory and in the laboratory.

## DAYS OF THE WHISKY GAP, THE (NFBC)

**j-h-c-a**                      29 minutes                      B&W: \$5.65  
Rousing tales of the Northwest Mounted Police, brought to life in a rare collection of photographs and artists' sketches. This film recalls how a small band of men who "didn't scare worth a cent" stamped out lawlessness in the Canadian West before it had a chance to grow to the proportions of the Wild West across the border. Vividly recalls the era of the whisky trade, the Indian raids, the horse thieves. Pictures the famous trek of a force of 250 Mounties from Toronto westward, charged with bringing the Queen's law to the western plains.

## EARTH'S CHANGING SURFACE, THE (McGH)

**i-j**                      11 minutes                      Color: \$3.80  
The purpose of this film is to give an understanding that the earth, since time immemorial, has been building up and wearing away and that the agents of erosion are still working. There is no story line in this film. It discusses the effects of water, wind, oceans, temperature, etc. as agents in the wearing away of the land. Counteracting this erosion are volcanoes, earthquakes, etc., which build up the land. Contains animation scenes of spread of the glaciers in the U.S., and of surface of rock cracking and flaking as it freezes and thaws, and by heating and cooling.

## ELECTRONS AND ELECTRONICS: AN INTRODUCTION (C)

**j-h**                      11 minutes                      B&W: \$2.35  
This film clearly explains how such electronic devices as vacuum tubes and transistors work and how they are put to use in the fields of communication, transportation, medicine and

industry. A visit to a broadcasting station shows us what part electronics plays in bringing us radio and television.

## FOREST, THE (USDA)

**j-h-c-a**                      28 minutes                      Color: \$2.15  
Relates the multiple use benefits to be obtained from our National Forests. Shows how water is conserved; how timber grows, is harvested and replenished; how range and wildlife flourishes, and how mankind may enjoy the natural beauty and healthful recreation available. Pictures trail riding in the wilderness, family picnics beside trout streams, skiing on snowy slopes, wildlife in its native habitat, cattle grazing on mountain meadows, tall trees ready for harvesting and new healthy tree plantations.

## HOUSEFLY AND ITS CONTROL, THE (C)

**i-j-h**                      11 minutes                      Color: \$3.60  
Views of a large-scale model and close-up photography of the egg-laying, hatching, and emergence of the adult from the pupa give us an understanding of the anatomy, life-cycle, and feeding habits of the common housefly. The film shows how this harmful insect contaminates food and spreads disease, and recommends methods for combating it.

## HOW TO MAKE A STENCIL PRINT (BFS)

**i-j-h-c-a**                      11 minutes                      Color: \$3.90  
This film introduces simple ways to cut and print original stencils as an approach to creative design. The steps in making a stencil are reviewed. Then a variety of prints are made, using tempera paint on different textures of paper. The process of printing on cloth with permanent textile paints is shown in detail, including a demonstration of three-color registration. Stencil printing is shown as an enjoyable, challenging activity for all age groups, with rewards that are both decorative and useful.

## LATIN AMERICA SERIES (McGH)

Six films for grades 5 through 10. This series will follow the modern trend for more emphasis on Latin America in the newest world geography textbooks. The image that many Americans have of Latin America and Latin Americans is obsolete. One overriding idea emerges from this series: that Latin America has the economic and human resources for great economic development which has already begun to gather momentum and transform the continent. There are five basic concepts which are covered in the six films:

- Size and Location,
- Physical features,
- The economy, including agriculture, mining, manufacturing, and communications,
- The people—their culture and customs,
- History

Detailed information on governments was omitted because of the unpredictable changes in Latin American governments. Films are as follows:

ARGENTINA	16 minutes	Color: \$6.45
BRAZIL	20 minutes	Color: \$7.45
CHILE	15 minutes	Color: \$5.80
COLOMBIA	18 minutes	Color: \$6.85
PERU	17 minutes	Color: \$6.65
VENEZUELA	16 minutes	Color: \$6.45

Be sure to indicate LATIN AMERICA SERIES when ordering.

## LATIN AMERICA SERIES: SOUTH AMERICA (McGH)

Also part of the above series, this film is an overview of the continent, summarizing the basic South American economic hard facts of life. There are additional concepts not touched on in the individual country films such as the social unrest, the problems caused by large differences in wealth, and the communist danger. This film is in color and rents for \$7.25.

## LITTLE ROOSTER WHO MADE THE SUN RISE, THE (C)

**p**                      11 minutes                      Color: \$3.60  
The well-known fable with a moral is retold in this colorful animated cartoon. Children will be delighted by the animals of the farmyard and by the little rooster who discovers that his crowing does not really make the sun rise, but who acquires an even greater pride in doing his job of waking his farmyard friends.

## MINISTER OF HATE (20th CENTURY) (CBS-McGH)

**j-h**                      27 minutes                      B&W: \$5.55  
This is a case study documented with historical motion picture footage of the malevolent and disastrous effect which totalitarian



control of communications in a society can have. Goebbels, brilliant writer and orator, master of staging spectaculars, met Hitler during the latter's early struggle for power and found his purpose in life. With Hitler's rise to absolute power, Goebbels, as minister of propaganda, came into single-handed control of all means of communication: newspapers, books, radio, theatre, and motion pictures.

### **MOSQUITO AND ITS CONTROL, THE (C)**

j-h 11 minutes Color: \$3.60

In striking close-up photography, this film examines in detail the mosquito's anatomy, and illustrates its breeding and feeding habits. We learn how an understanding of the life cycle has enabled man to combat and control such mosquito-borne diseases as yellow fever and malaria.

### **OFFICIAL BASEBALL (IHSA)**

j-h 28 minutes B&W: \$2.15

Scenes taken in the Baseball Hall of Fame are used to introduce the informative and entertaining play situations that depict the official rules interpretations covering the phases of umpiring, batting, pitching, base running and fielding. This film will add to everyone's enjoyment and knowledge of the game of baseball. This film available through the cooperation of the Illinois High School Association.

### **PARTS OF SPEECH, THE (C)**

i-j 13½ minutes B&W: \$3.15

A fun-filled afternoon at the beach with Sue, Fred, and their friends provides an opportunity to use the parts of speech in building the pictures we see. The film introduces the eight parts of speech and explains that they may name things, modify other words, connect words, or tell about actions.

### **POTATO APPEAL (UPRR)**

h-c-a 10 minutes Color: \$2.15

Designed to impress the housewife with the appeal of potatoes to enhance her menus. This film shows the attractions of today's fine, fresh potatoes and stresses the versatility of potatoes. Emphasized is the use and preparation of many forms of processed frozen, dehydrated-frozen, and dehydrated potatoes in easily prepared forms. The film lives up to its title and presents a host of time-saving methods in the preparation of dishes utilizing processed potatoes. Home economists will find this film very useful.

### **PUNCTUATION FOR BEGINNERS (C)**

p 11 minutes B&W: \$2.35

As the pupils in Miss Anderson's class have fun constructing sentences and inserting proper punctuation, the basic rules of punctuation are presented. Pupils will learn why and where we use periods, question marks, and commas in sentences, the use of the comma in dates and place names.

### **REAL WEST, THE (PARTS I & II) (NBC-McGH)**

j-h-c-a 54 minutes B&W: \$10.65

A fascinatingly authentic look at the West in which Billy the Kid is identified as "a homicidal moron from the slums of New York" and Calamity Jane as an "excessively soiled dove." The film opens with prints of wagon trains heading westward from the Missouri River. Next is a study of the succession of gold rushes that beckoned the fortune seekers. The cattlemen follow. Also records carefully the price of opening the West; the cruel and humiliating treatment of the proud Indian, whose only crime was that he was in the way.

### **SIMPLE DEMONSTRATIONS WITH AIR (C)**

i-j 11 minutes B&W: \$2.35

Air is all about us. We can't see it, but by performing some key demonstrations carefully graded to the curriculum level, we can see many of the things it does. This film demonstrates the basic concepts of air: air occupies space, air has weight, and air exerts pressure.

### **SIMPLE DEMONSTRATIONS WITH MAGNETISM (C)**

i-j 11 minutes B&W: \$2.35

Interesting demonstrations and experiments explain and illustrate the basic concepts of magnetism: magnets produce a force, magnets have poles, magnets can make other magnets, and the earth is a magnet. Many of the experiments can be repeated in the classroom, while others use equipment not available in most schools.

### **SIMPLE DEMONSTRATIONS WITH WATER (C)**

i-j 13½ minutes B&W: \$3.15

Water has surface tension; water exerts pressure; and water can produce a buoyant force. Deftly and clearly performed demonstrations of these three basic principles will help us learn more about water and the way it behaves. Many of these simple demonstrations can be repeated in the classroom.

### **SURREALISM (BFS)**

j-h-c-a 7 minutes Color: \$2.80

The works of Dali, de Chirico, Tchelitchew, Bosch, Graves, Tanguy, and others show examples of these surrealist tendencies: unusual combinations, strange time and space, and symbolism. The Surrealists take things out of their usual settings and rearrange them into situations that are unnatural and sometimes weird. Surrealistic symbols are clear and effective, but their appearance and arrangement in these paintings offers a quality of intrigue and mystery which fascinates the viewer.

### **SWEDEN (20th CENTURY) (CBS-McGH)**

j-h-c-a 22 minutes B&W: \$4.85

This is a close look at a welfare state. Just how does "cradle-to-the-grave security" operate. Viewers have a chance to see the ultimate in lifelong security in action. It is worth it: What are its drawbacks? These are some of the intriguing questions answered by the Swedes themselves in SWEDEN.



**NEW FILM**

**(Available for Booking, September 1, 1962)**

The following new films will be available from our library by the time this catalogue is received; however, descriptions were not available at the time of publication.

- Amazon Family (IFB)
- Animals in a Micro-Universe (CN)
- Animals that Fly (FA)
- Arctic Outpost (IFB)
- Basic Chemistry Series (MCGH)
  - Determining Molecular Formulas
  - Dynamics of Solution
  - Electromotive Force Series
  - Energy and Reactions
  - Family of Halogens
  - Faraday's Laws
  - Kinetic-Molecular Theory
  - Liquids in Solution
  - Oxidation Reduction
  - Temperature and Matter
  - Radioactivity
  - Structure of Water
- Beat Majority (CAL)
- Birth and Death of Mountains (FA)
- Brasilia (IFB)
- Caperucita Roja (FA)
- Caverns and Geysers (FA)
- Challenge, The (AP)
- Check Collection Process (IU)
- Child of Hawaii (J)
- Collage: Exploring Texture (IFB)
- Communist Blueprint for Conquest (UW)
- Community Hospital (SUTH)
- Community Keeps Healthy, A (FA)
- Constellations—Guides to the Night Sky (IU)
- Country Store (FA)
- Darwin's Finches (FA)
- Design for More Eggs (UPRR)
- Design with Paper (IFB)
- Discovering Sculpture (BFS)
- Discovering Texture (FA)
- Electrical Safety in the Home (STI)
- Electricity: From Power Plant to Home (MCGH)
- Era of Water Commerce (MCGH)
- Exploring the Moon (MCGH)
- Fall Brings Changes (CHURCHILL)

- Family in Tokyo (DPP)
- Finland-Farmer-Woodsman (UW)
- Future for a Past (IFB)
- George Washington's River
  - (U.S. PUBLIC HEALTH SERVICE)
- Gift from the Clouds (UPRR)
- India (CA)
- International Atom, The (UNFD)
- Ireland: A Family of Killarney (F)
- It's Time to Irrigate (UPRR)
- La Gallinita Roja (FA)
- La Petit Poule Rouge (FA)
- Language and Communication (MIS)
- Le Petit Chaperon Rouge (FA)
- Life in a Cell (CN)
- Lumberyard, The (BFS)
- Marsh Treasures (AV)
- Music for Children (COFI)
- Mysteries of the Deep (WDP)
- Night Out with Mr. Toad, A (MID)
- 1959-60 Eruption of Kilauea (USDA)
- Organization of Language (TFC)
- Our Changing Earth (FA)
- Packaging People for Automotive Safety (UM)
- Polynesian Culture (AB)
- Portrait of the Sun (A)
- Portugal: Village of Nazare (F)
- Puerto Rico—Island in the Sun (UW)
- Race for Space (MCGH)
- Redwood Trees (AB)
- Safety with Animals (CJ)
- Shelter (CA)
- Soviet Russia from Revolution to Empire (MCGH)
- Spain: The Mateo Family of Madrid (F)
- Spain—Three of Its Faces (UW)
- Spring Brings Changes (CHURCHILL)
- Spring Is a Season (J)
- Trains and Trucks (CHURCHILL)
- Tropical Africa (IFB)
- Water Movement in Soil
  - (WASHINGTON STATE UNIVERSITY)
- Who Is Pete? (IFB)
- Why Do We Need Air? (UW)
- Why the Sky Is Blue (PHAROS, INC.)







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Director's Office: 367-6611, Ext. 3360

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Booking Information: 333, Ext. 1360 or 1361

Director's Office: 333, Ext. 1362



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